Matthew Louis Mauriello CV

Assistant Professor, Dept. of Computer & Information Sciences
College of Engineering, University of Delaware
mlm@udel.edu | https://www.cis.udel.edu/~mlm/

BIO STATEMENT

I am an **Assistant Professor** in the Department of **Computer & Information Sciences** at the **University of Delaware**. My work is broadly focused on **Human-Computer Interaction** (HCI) and **Ubiquitous Computing**, with a particular emphasis on **sustainability**, **human-building interactions**, **wearables**, **personal informatics**, **education**, **health & well-being**, and **games**. My research aims are twofold: (i) to understand and improve the role of technology in personal and societal issues and (ii) to complement and extend rather than supplant user capabilities. My approach begins with formative work to explore user challenges and perceptions, which helps identify the roles that HCI might play (e.g., alleviating pain points). This work typically informs an iterative design and engineering phase that results in a cyber-physical or software system that leverages advances from diverse areas of computer science (*e.g.,* machine learning, image processing, information visualization, social computing) that I then evaluate through a mixed methods approach that includes surveys, interviews, usability studies, field deployments, and randomized controlled trials.

EDUCATION

University of Maryland

2018 Doctor of Philosophy in Computer Science
Area: Human-Computer Interaction (HCI), Ubiquitous Computing, & Sustainable HCI
Dissertation: Designing and Evaluating Next-Generation Thermographic Systems to Support Residential Energy Audits
Committee: Jon E. Froehlich (Chair/Advisor), Andrea Grover, David W. Jacobs, Niklas Elmqvist, & Michelle Mazurek

State University of New York at Albany

2010 Master of Business Administration
Area: Information Technology Management
Thesis: The Influence of Leadership Behavior and Social Factors on the Effectiveness of Task-Interdependent Teams
Advisor: Thomas Taber

2008 Master of Science, Computer Science and Applied Mathematics
Area: Software Architecture & Project Management
Qualifying Project: The Design of a Content & Business Management System for Collegiate Sports
Advisor: Mei-Hwa F. Chen

2007 Bachelor of Science, Computer Science and Applied Mathematics
Advisor: Paliath Narendran

RESEARCH & WORK EXPERIENCE

Assistant Professor, University of Delaware, Newark, DE, 2021 – Present
Computer & Information Sciences, College of Engineering; Sensify Lab, Director.
Affiliate Faculty: Data Science Institute; Delaware Energy Institute; Delaware Environmental Institute; Game Studies & eSports; AI Center of Excellence; MS in Data Science (MSDS)

Postdoctoral Scholar, Stanford University, Stanford, CA, 2019 – 2020
School of Medicine, Pervasive Wellbeing Technology Lab. Advisor: Dr. Pablo E. Paredes

Visiting Postdoctoral Scholar, Stanford University & Oregon State University, Stanford, CA, 2018 – 2019
Civil and Environmental Engineering Dept. & School of Public Policy (resp). Advisors: Dr. Ram Rajagopal & Dr. Hilary Boudet

Graduate Research Assistant, UMIACS, University of Maryland, College Park, MD, 2014 – 2018
Makeability Lab, Human-Computer Interaction Lab, Department of Computer Science. Advisor: Dr. Jon E. Froehlich

User Experience Research Intern, Microsoft Research, Bellevue, WA, 2015
Bing UX & Applied Machine Learning, Advisors: Tapas Kanungo & Susan Dumais

Teaching Assistant, Department of Computer Science, University of Maryland, College Park, MD, 2012 – 2016
Introduction to Human-Computer Interaction, Introduction to Image Processing, Introduction to Computer Systems, etc.

University Career Center & the President's Promise, University of Maryland, College Park, MD, 2010 – 2012
Web Services Developer

Research Intern, School of Business, University at Albany, State University of New York, Albany, NY, 2010
Information Technology Management Department. Advisor: Dr. Sanjay Goel

President, Intriguing Design Studios Incorporated, Albany, NY, 2007 – 2018
Project Manager & Developer; freelance website, web services, and application development

Graduate Assistant, New York State Office of Cyber Security, Albany, NY, 2007 - 2010
Project Administration & Reporting; Web Applications Developer

Undergrad Asst, Library Systems, University Library, State University of New York at Albany, Albany, NY, 2006 - 07
Information Technology Technician & Application Programmer

Undergrad Asst, Interactive Media Center, University Library, State University of New York at Albany, Albany, NY, 2006 – 07
Information Technology Technician & Consultant

Project Management Intern, The Office of the Chief Information Officer, Office of the State Comptroller, Albany, NY, 2006
Project Administration & Reporting; Web Applications Developer

Information Technology Intern, Applied Robotics Incorporated, Glenville, NY, 2002-2003
Information Technology Technician & Project Management & CAD Assistant

HONORS & PROFESSIONAL DEVELOPMENT

2024	Open Water Diving Scuba Certification, Professional Association of Diving Instructors (PADI)
2024	(Nominated) UD College of Engineering Excellence in Mentoring and Advising Award
2024	Fellow, NSF UD CAREER Academy
2023	(Nominated) UD College of Engineering Excellence in Mentoring and Advising Award
2023	(Nominated) UD College of Engineering Excellence in Diversity and Inclusion Award
2023	Cultural Competence in Computing (3C) Fellow (Cohort 3)
2022	(Nominated) UD College of Engineering Excellence in Teaching Award
2022	Vistage Leadership Fellow, College of Engineering, University of Delaware
2022	Excellent Reviewer, ACM SIGCHI, CHI 2022
2022	Participant, CRA 2022 Career Mentoring Workshop
2021	Participant, UD Center for Teaching and Learning (CTAL) Summer Institute on Teaching
2018	Excellent Reviewer, ACM SIGCHI, CHI 2018
2017	Excellent Reviewer, ACM SIGCHI, CHI-PLAY 2017
2017	Excellent Reviewer, ACM SIGCHI, CHI 2017
2017	ALL S.T.A.R. Fellow, The Graduate School, University of Maryland
2017	Future Faculty Fellow, The Clark School, University of Maryland
2016	Jacob K. Goldhaber Travel Award, The Graduate School, University of Maryland
2015	Outstanding Graduate Assistant Award, The Graduate School, University of Maryland
2015	Level 1 Thermographer Certification, Infrared Training Center
2014	HCIL Conference Travel Award, Human-Computer Interaction Lab, University of Maryland
2013	Distinguished Teaching Assistant Award, Center for Teaching Excellence, University of Maryland
2013	John D. Gannon Travel Award, Department of Computer Science, University of Maryland
2012	IGDA Scholar Award, International Game Developers Association
2011	Graduate Participant, Revolutionary Aerospace Systems Concept Academic Linkage, National Institute of Aerospace
2010	Certified Scrum Master, Scrum Alliance
2010	Global Business Strategic Management Team Champion Award, The Business School, University at Albany
2003	EntrePrep, Lally School for Entrepreneurial Leadership, Rensselaer Polytechnic Institute

CONFERENCE PUBLICATIONS

Conferences are the top-tier academic publishing venues for computer scientists. Thus, most of my work is published here.

2026	Khatiwada, P., Pappu, V., Bagozzi, B., and **Mauriello, M.L.,** (2026). "When AI Rewrites the News: How Sentiment, Framing, and LLM Disclosure Shape Perceptions." *In Proceedings of ACM CHI 2026 Conference on Human Factors in Computing Systems* [Acceptance Rate: 25% (1703/5753)] *(To Appear)*
2025	Karwankar, A., Ruggiero, E., Iyer, M.K., Brugel, S., Khatiwada, P., Stevens, D.B., and **Mauriello, M.L.**, (2025). "uCue: An Interactive Musical Interface to Enhance Formative Listening Experience for Children with ASD." *In Proceedings of ACM IDC 2025 Conference on Interaction Design and Children [Acceptance Rate: 30% (36/119)]*
2025	*Wang Q., *Erqsous, M., Khatiwada, P., Karwankar, A., Alhassan, F. M., Chandrasekaran, A., Abraham, B., Lovell, F., Ngo, A.A., and **Mauriello, M.L.**, (2025). "Leveraging Large Language Models for Review Classification and Rating Estimation of Mental Health Applications." *In Proceedings of the AAAI ICWSM 2025 International Conference on Web and Social Media [Acceptance Rate: 25% (33/131)]*

2025   Chandrasekaran, A., Bielicke, L., Shah, D., Janakiraman, H., and **Mauriello, M.L.**, (2025). "I spent 14 hours debugging just one assignment: Toward Computer-Mediated Personal Informatics for Computer Science Student Mental Health." *In Proceedings of ACM CHI 2025 Conference on Human Factors in Computing Systems* [Acceptance Rate: 25% (1249/4524)]

2024   Kong, M., He, O., **Mauriello, M.L**, and Pollock, L., (2024). "Anything That Can Be Streamlined Would Be Great: Validating Elementary School Teachers' Preferences for a Block-Based Programming Teaching Augmentation System." *In Proceedings of Koli Calling 2024.* [Acceptance Rate: 21% (20/95)]

2024   *Khan, Y., ***Mauriello, M.L.,** Nowruzi, P., Motani, A., Hon, G., Vitale, N., Li, J., Kim, J., Foudeh, A., Duvio, D., Shols, E., Chesnut, M., Landay, J., Liphardt, J., Williams, L., Sudheimer, K.D., Murmann, B., Bao, Z., and Paredes, P.E., (2024). "On Stress: Combining Human Factors and Biosignals to Inform the Placement and Design of a Skin-like Stress Sensor." *In Proceedings of ACM CHI 2024 Conference on Human Factors in Computing Systems* [Acceptance Rate: 26% (1060/4028)]

2023   Tong, X., **Mauriello, M.L.**, Mora-Mendoza, M.A., Prabhu, N., Kim, J.P., and Paredes, P.E. (2023). "Just Do Something: Comparing Self-proposed and Machine-recommended Stress Interventions among Online Workers with Home Sweet Office." *In Proceedings of ACM CHI 2023 Conference on Human Factors in Computing Systems* [Acceptance Rate: 28% (879/3182)]

2022   Kong, M., **Mauriello, M.L.**, and Pollock, L. (2022). "Exploring K-8 Teachers' Preferences in a Teaching Augmentation System for Block-Based Programming Environments." *In Proceedings of Koli Calling 2022.* [Acceptance Rate: 17% (18/105)]

2019   **Mauriello, M.L.,** McNally, B., and Froehlich, J.E. (2019). "Thermporal: An Easy-to-Deploy Temporal Thermographic Sensor System to Support Residential Energy Audits." *In Proceedings of ACM CHI 2019 Conference on Human Factors in Computing Systems* [Acceptance Rate: 24% (705/2960)].

2018   **Mauriello, M.L.**, McNally, B., Buntain, C., Bagalkotkar, S., Kushnir, S., and Froehlich, J.E. (2018). "A Large-Scale Analysis of YouTube Videos Depicting Everyday Thermal Camera Use." *In Proceedings of ACM MobileHCI 2018 Conference on Human-Computer Interaction with Mobile Devices & Services in Computing Systems* [Acceptance Rate: 24% (50/213)].

2018   Golbeck, J., **Mauriello, M.L.**, Auxier, B., Bhanushali, K.H., Bonk, C., Bouzaghrane, M.A., Buntain, C., *et al.*, (2018). "Fake News vs Satire: A Dataset and Analysis." *In Proceedings of the 10th ACM Conference on Web Science* [Acceptance Rate: 27% (30/113)]. **Best of WebSci'18.**

2018   McNally, B., Kumar, P., Hordatt, C., **Mauriello, M.L.**, Naik, S., Norooz, L., Shorter, A., Golub, E., and Druin, A., (2018). "Co-Designing Mobile Online Safety Applications with Children." *In Proceedings of ACM CHI 2018 Conference on Human Factors in Computing Systems* [Acceptance Rate: 26% (667/2595)].

2017   **Mauriello, M.L.**, Saha, M., Brown, E., and Froehlich, J.E., (2017). "Exploring Novice Approaches to Smartphone-Based Thermographic Energy Auditing: A Field Study." *In Proceedings of ACM CHI 2017 Conference on Human Factors in Computing Systems* [Acceptance Rate: 25% (606/2424)].

2017   McNally, B., **Mauriello, M.L.**, Guha, M.L., and Druin, A., (2017). "Gains from Participatory Design Team Membership as Perceived by Child Alumni and their Parents." *In Proceedings of ACM CHI 2017 Conference on Human Factors in Computing Systems* [Acceptance Rate: 25% (606/2424)].

2016   McNally, B., Guha, M.L., **Mauriello, M.L.**, and Druin, A., (2016). "Children's Perspectives on Ethical Issues Surrounding their Past Involvement on a Participatory Design Team." *In Proceedings of ACM CHI 2016 Conference on Human Factors in Computing Systems* [Acceptance Rate: 23% (538/2300)].

2015   **Mauriello, M.L.**, Norooz, L., and Froehlich, J.E., (2015). "Understanding the Role of Thermography in Energy Auditing: Current Practices and the Potential for Automated Solutions." *In Proceedings of ACM CHI 2015 Conference on Human Factors in Computing Systems* [Acceptance Rate: 23% (495/2150)]. **Best Paper Honorable Mention.**

2015   Norooz, L., **Mauriello, M.L.**, Jorgensen, A., McNally, B., and Froehlich, J.E., (2015). "BodyVis: A New Approach to Body Learning through Wearable Sensing and Visualization." *In Proceedings of ACM CHI 2015 Conference on Human Factors in Computing Systems* [Acceptance Rate: 23% (495/2150)]. **Best Paper Honorable Mention.**

2014   **Mauriello, M.L.**, Gubbels, M., Froehlich, J. E., (2014). "Social Fabric Fitness: The Design and Evaluation of Wearable E-Textile Displays to Support Group Running." *In Proceedings of ACM CHI 2014 Conference on Human Factors in Computing Systems.* [Acceptance Rate: 23% (464/2034)]

CONFERENCE- JOURNAL PUBLICATIONS

Some top-tier conferences have adopted more journal formats and policies, but are still associated with an annual conference.

2025   Khatiwada, P., Ciuba, A., Nayak, A., *Gautam, A., and ***Mauriello, M.L.**, (2025) "Regulating Social Media: Surveying the Impact of Nepali Government's TikTok Ban." *In Proceedings of ACM Human-Computer Interaction. 9, 7, Article CSCW467 (November 2025), 33 Pages.*

2025   Khatiwada, P., Halko, L., Syed, N., Mahesh, A., Alvanpour, A., and **Mauriello, M.L.**, (2025) "Spotting Online News: A Mixed Method Study of Online News Engagement and Perceptions of Misinformation Interventions." *In Proceedings of ACM Human-Computer Interaction. 9, 2, Article CSCW173 (May 2025), 30 Pages.*

2025   Wang, Q., Erqsous, E., Barner, K.E., and **Mauriello, M.L.**, (2025) "LATA: A Pilot Study on LLM-Assisted Thematic Analysis of Online Social Network Data Generation Experiences." *In Proceedings of ACM Human-Computer Interaction. 9, 2, Article CSCW124 (May 2025), 28 Pages.*

2024   Chandrasekaran, A., Currano, R., Batool, V., Chen, K., Murnane, M.L., Sirkin, D., and **Mauriello, M.L.**, (2024). "Therapy for Therapists: Design Opportunities to Support the Psychological Well-being of Mental Health Workers." *In Proceedings of ACM Human-Computer Interaction. 8, CSCW2, Article 418 (November 2024). Presented at CSCW 2024.*

2023   Vemuri, A., Heintzelman, M., Waad, A., **Mauriello, M.L.**, Decker, K., and Dominick, G., (2023). "Toward Dynamic Action Planning with User Preferences in Automated Health Coaching." *Smart Health.*

2020   Balters, S., **Mauriello, M.L.**, Park, S.J., Landay, J.A., Paredes, P.E., (2020). "Calm Commute: Guided Slow Breathing for Daily Stress Management in Drivers." *In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 4, 1, 38 (2020): 19.*

JOURNAL PUBLICATIONS

All journal publications below are publications that have not appeared in other peer-reviewed venues.

2025   Lee, D., McNulty, L., Kathiravan, S., **Mauriello, M.L.**, Vasudevan, V., Bhat, A., Obrusnikova, I., and Suminski, R., (2025). "A Gamified mHealth App to Promote Physical Activity and Reduce Sedentary Behavior in Autistic Adults: Protocol for a Remotely Delivered Pilot Intervention Study." *In Proceedings of JMIR Research Protocols.*

2025   Aiyagari, S., Bertino, E., Bienik, J., Chiou, Y., Dodhiawala, R., Hughes, S., Jamin, S., Kundu, A., Lenchner, J., **Mauriello, M.L.**, Ratnaparkhi, A., Rhouti, M., Sheffler, T., Shen, C., Verma, D., Xiong, J., Xing, L., Yin, W., and Zengin, H., (2025). "Natural language interaction protocol (NLIP)." *In Proceedings of SPIE 13480, Disruptive Technologies in Information Sciences IX, 1348009 (21 May 2025).*

2022   Becerik-Gerber, B., Lucas, G., Aryal, A., Awada, M., Bergés, M., Billington, S.L., ... **Mauriello, M.L.**, ... and Zhu, R. (2022). "The field of human building interaction for convergent research and innovation for intelligent built environments." *Scientific Reports*, 12(1), 22092.

2022   Becerik-Gerber, B., Lucas, G., Aryal, A., Awada, M., Bergés, M., Billington, S.L., ... **Mauriello, M.L.**, ... and Zhao, J. (2022). "Ten questions concerning human-building interaction research for improving the quality of life." *Building and Environment, 226, 109681*.

2022   Kim, L., Saha, G., Leon, A., King, J., **Mauriello, M.L.**, and Paredes, P.E., (2022). "Shared Autonomy to Reduce Sedentary Behavior among Sit-Stand Desk Users in the US and India: An Online Study." JMIR Formative Research.

2022   Douglas, I. P., Murnane, E. L., Bencharit, L. Z., Altaf, B., dos Reis Costa, J. M., Yang, J., ... **Mauriello, M.L.**, ... & Billington, S. L. (2022). "Physical workplaces and human well-being: A mixed-methods study to quantify the effects of materials, windows, and representation on biobehavioral outcomes." *Building and Environment, 224, 109516.*

2021   *****Mauriello, M.L.,** *Tantivasadakarn, N., Mora-Mendoza, M.A., Lincoln, E.T., Hon, G., Nowruzi, P., Simon, D., Hansen, L., Goenawan, N.H., Kim, J., Gowda, N., Jurafsky, D., and Paredes, P.E., (2021). "A Suite of Mobile Conversational Agents for Daily Stress Management (Popbots): Mixed Methods Exploratory Study." JMIR Formative Research, 2021, 5(9):e25294.

2021   Dasler, P., Malik, S., and **Mauriello, M.L.,** (2021). "'Just Follow the Lights': A Ubiquitous Framework for Low-Cost, Mixed Fidelity Navigation in Indoor Built Environments." *International Journal of Human-Computer Studies, 2021, 102692, ISSN 1071-5819.*

2016   Golbeck, J., and **Mauriello, M.L.**, (2016). "User Perception of Facebook App Data Access: A Comparison of Methods and Privacy Concerns." *Future Internet, v8.2 (2016): 9.*

2014   Lee, T. Y., **Mauriello, M. L.**, Ahn, J., and Bederson, B.B., (2014). "CTArcade: Computational Thinking with Games in School-Age Children." *International Journal of Child-Computer Interaction, v2.1 (2014): 26-33.*

ADJUNCT PUBLICATIONS

2025   McNulty, L.K., Kathiravan, S., **Mauriello, M.L.**, Bhat, A., Vasudevan, V., Obrusnikova, I., Suminski, R.R., and Lee, D., (2025). "Community-Based Participatory Approach to Developing a Gamified Mobile Health Intervention for Increasing Physical Activity and Reducing Sedentary Behavior in Autistic Adults." *In Proceedings of the International Society for Autism Research Annual Meeting*. Conference Abstract.

2025 Aiyagari, S., Bertino, E., Bienik, J., Chiou, Y., Dodhiawala, R., Hughes, S., Jamin, S., Kundu, A., Lenchner, J., **Mauriello, M.L.**, Ratnaparkhi, A., Rhouti, M., Sheffler, T., Shen, C., Verma, D., Xiong, J., Xing, L., Yin, W., and Zengin, H., (2025). "Security design for NLIP: a universal protocol for AI-enabled systems." *In Proceedings of SPIE 13476 Assurance and Security for AI-enabled Systems 2025.* Extended Abstract.

2024 He, O., Jain, A., Rodriguez-Leon, A.A., Taduvayi, A., and **Mauriello, M.L.**, (2024). "Crowdsourcing to Large Multimodal Models: Toward Enhancing Image Data Annotation with GPT-4." *In Proceedings of 12th AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2024).* Extended Abstract.

2024 Erqsous, M., Lovell, F., Abraham, B., Ngo, A., **Mauriello, M.L.**, (2024). "POSTER: Opportunities and Challenges in Mental Health Mobile Applications." *In Proceedings of 2024 IEEE/ACM CHASE 2024 Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE).* Extended Abstract.

2021 **Mauriello, M.L.**, Lincoln, E.T., Hon, G., Simon, D., Jurafsky, D., and Paredes, P.E., (2021) "SAD: A Stress Annotated Dataset for Recognizing Everyday Stressors in SMS-like Conversational Systems." *In Proceedings of ACM CHI 2021 Conference on Human Factors in Computing Systems.* Extended Abstract.

2021 Kim, L.H., Leon, A.A., Sankararaman, S., Jones, B.M., Saha, G., Spyopolous, A., Motani, A., **Mauriello, M.L.,** and Paredes, P.E., (2021). "The Haunted Desk: Exploring Non-Volitional Behavior Change with Everyday Robotics." *In Companion of ACM/IEEE HRI 2021 Conference on Human-Robot Interactions.* **Best LBR Award Nominee.**

2019 **Mauriello, M.L.,** Zanocco, C., Stelmach, G., Flora, J., Boudet, H., and Rajagopal, R., (2019). "An Energy Lifestyles Program for Tweens: A Pilot Study". *In Proceedings of ACM CHI 2019 Conference on Human Factors in Computing Systems*. Extended Abstract. [Acceptance Rate: 42% (343/813)].

2019 Bates, O., New, K., Mitchell-Finnigan, S., **Mauriello, M.L.**, Remy, C., Bendor, R., Mann, S., Chopra, S., Clear, A., and Priest, C., (2019)., "Toward a Responsible Innovation Agenda for HCI." *In Proceedings of ACM CHI 2019 Conference on Human Factors in Computing Systems*. Extended Abstract.

2019 Buntain, C., Golbeck, J., Auxier, B., Assefa, G., Boyd, K., Byers, K.M, Chawla, G., Chen, D., Cooper, B.J., Cupani, J., Daetwyler, C., DeWitt, N., Garcia, S., Hafer, C., Khan, M., Lewis, E., Martindale, M. J., **Mauriello, M.L.,** *et al.* (2019). "Analyzing a Fake News Authorship Network. *In Proceedings of the iSchools iConference 2019.* Extended Abstract.

2017 **Mauriello, M.L.**, Chazan, J., Gilkeson, J., and Froehlich, J.E., (2017). "A Temporal Thermography System for Supporting Longitudinal Building Energy Audits." *In Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing.* Adjunct Publication.

2016 **Mauriello, M.L.**, Shneiderman, B., Du, F., Malik, S., and Plaisant, C., (2016). "Simplifying Overviews of Temporal Event Sequences." *In Proceedings of ACM CHI 2016 Conference on Human Factors in Computing Systems*. Extended Abstract. [Acceptance Rate: 43% (281/647)]. **Best Paper Honorable Mention.**

2014 **Mauriello, M. L.**, and Froehlich, J. E., (2014). "Towards Automated Thermal Profiling of Buildings at Scale using Unmanned Aerial Vehicles and 3D-Reconstruction*." In Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing.* Adjunct Publication.

2012 Lee, T. Y., **Mauriello, M.L.**, Ingraham, J., Sopan, A., Ahn, J., and Bederson, B. B. (2012). "CTArcade: Learning Computational Thinking while Training Virtual Characters through Game Play." *In Proceedings of ACM CHI 2012 Conference on Human Factors in Computing Systems*. Extended Abstract.

WORKSHOP PAPERS

2025 Alblwi, A., Wang, K., Zolek, N., **Mauriello, M.L.**, and Barner, K., (2025) "Reliable or Risky? Assessing Diffusion Models for Biomedical Data Generation." *NeurIPS GenAI4Health workshop.*

2025 Chandrasekaran, A., Shah, D., Bielicke, L., and **Mauriello, M.L.**, (2025). "Workplace Monitoring through the Lens of Future Information Workers." *ACM SIGCHI 2025 Sociotechnical AI Governance workshop.*

2025 Aiyagiri, S., Babu, R., Bertino, E., Chiou, Y., Dodhiawala, R., Erlandson, E., Jamin, S., Kundu, A., Lenchner, J., Maier, T., **Mauriello, M.L.**, Rahouti, M., Ratnaparkhi, A., Shuffler, T., Shen, C., Verma, D., Wenpeng, Yi., Xing, L., Xiong, J., and Zengin, H., (2025). "An Overview of the Natural Language Interaction Protocol." *AAAI 2025 Workshop on Open Source AI for Mainstream Use.*

2024 Alhassan, F.M.A., and **Mauriello, M.L.,** (2024). "Toward Novel Forecasting Methods that Utilize Smart Home and Activity Tracking Data to Improve Energy Literacy and Lifestyles." *ACM SIGCHI 2024 The HabiTech: Inhabiting Buildings, Data, & Technology Workshop.*

2022 Chandrasekaran, A., Huynh, L.M., Bencharit, L.Z., and **Mauriello, M.L.**, (2022). "Toward Computer-Mediated Emotional Monitoring and Burnout Mitigation for University STEM Students." *ACM SIGCHI 2022 The Future of Emotion in Human-Computer Interaction Workshop.*

2022 Khatiwada, P., Mumma, I., Halko, L, Alvanpour, A., and **Mauriello, M.L.**, (2022). "Toward Browser-based Interventions to Tackle Misinformation Online." *ACM SIGCHI 2022 Designing for Mis/Disinformaiton Workshop.*

2020   Paredes, P.E., Goel, R., and **Mauriello, M.L.**, (2020). "SWEET: Towards a Digital Wellbeing and Occupational Health Platform in the Age of the COVID-19 Pandemic." *Microsoft, New Future of Work Symposium*

2020   **Mauriello, M.L.**, Mora-Mendoza, M., and Paredes, P.E., (2020). "Towards Breathing Edges: A Prototype Respiration Entrainment System for Browser-based Computing Tasks." *ACM SIGCHI 2020 3rd Body as a Starting Point Workshop Exploring Themes for Imbodied Interaction Research and Design.*

2020   Paredes, P., Tantivasadakarn, N., Hon, G., Lincoln E.T., Gowda, N., Mora-Mendoza, M., **Mauriello, M.L.**, (2020). "Toward PopBots: A Suite of Conversational Agents for Daily Stress." *ACM SIGCHI 2020 Workshop on Conversational Agents for Health and Wellbeing.*

2017   **Mauriello, M.L.**, (2017). "Scalable Methods and Tools to Support Thermographic Data Collection and Analysis for Energy Audits." *ACM Ubicomp 2017 Doctoral Colloquium.*

2016   **Mauriello, M.L.**, Dalhausen, M., Brown, E., Saha, M., and Froehlich, J.E. (2016). "The Future Role of Thermography in Human-Building Interaction." *ACM SIGCHI 2016 Workshop on the Future of Human-Building Interaction.*

PREPRINTS

2021   *Khan, Y., ***Mauriello, M.L.,*** Nowruzi, P., Motani, A., Hon, G., Vitale, N., Li, J., Kim, J., Foudeh, A., Duvio, D., Shols, E., Chesnut, M., Landay, J., Liphardt, J., Williams, L., Sudheimer, K.D., Murmann, B., Bao, Z., and Paredes, P.E., (2021). "Design considerations of a wearable electronic-skin for mental health and wellness: balancing biosignals and human factors." bioRxiv 2021.01.20.427496
*(Earlier version of: *Khan & *Mauriello et al. "On Stress: Combining Human Factors and Biosignals to Inform the Placement and Design of a Skin-like Stress Sensor." ACM CHI 2024)*

2018   **Mauriello, M.L.**, Buntain, C., McNally, B., Bagalkotkar, S., Kushnir, S., and Froehlich, J.E., (2018). "SMIDGen: An Approach for Scalable, Mixed-Initiative Dataset Generation from Online Social Networks." *HCIL Tech Reports.*

DISSERTATION

2018   **Mauriello, M.L.**, (2018). "Designing and Evaluating Next-Generation Thermographic Systems to Support Residential Energy Audits." Department of Computer Science, University of Maryland.

MAGAZINE ARTICLES

2025   Soden, R., Sharma, V., **Mauriello, M.L.**, and Bidwell, N.J., (2025). "Clime for Change: New HCI Research for Climate Action." ACM Interactions 32(1): 50 – 52.

2024   **Mauriello, M.L.**, and Hazas, M., (2024). "Pervasive Sustainability." IEEE Pervasive Computing 23(2): 4 – 6. Guest Editor of Special Issue.

2021   Bendor, R., Nathan, L., **Mauriello, M.L.**, and O. Bates (2021). '"Everything in the forest is the forest": A Decade of Sustainability in (Inter)Action forum'. ACM Interactions 28(4): 65-67.

CONFERENCE PRESENTATIONS

"Thermporal: An Easy-to-Deploy Temporal Thermographic Sensor System to Support Residential Energy Audits." CHI 2019, Glasgow, Scotland, United Kingdom, May 4 – 9, 2019.

"A Large-Scale Analysis of YouTube Videos Depicting Everyday Thermal Camera Use." MobileHCI 2018, Barcelona, Spain, September 3 – 6, 2018.

"Exploring Novice Approaches to Smartphone-based Thermographic Energy Auditing: A field study." CHI 2017, Denver, Colorado, USA, May 6 – 11, 2017.

"Understanding the Role of Thermography in Energy Auditing: Current Practices and the Potential for Automated Solutions." CHI 2015, Seoul, Republic of South Korea, April 18 – 23, 2015.

"Social Fabric Fitness: The Design and Evaluation of Wearable E-textile Displays to Support Group Running." CHI 2014, Toronto, Ontario, Canada, April 26 – May 1, 2014.

POSTER PRESENTATIONS

"Music for Autistic Listeners: A Music Theory Community Engagement Project." UD Inventors Recognition. University of Delaware, October 22, 2024.

"Music for Autistic Listeners: A Music Theory Community Engagement Project." Pedagogy into Practice 2022. Michigan State University, June 2 – 4, 2022.

"SAD: A Stress Annotated Dataset for Recognizing Everyday Stressors in SMS-like Conversational System." CHI 2021, Online Virtual Conference. May 13 – 18, 2021.

"Perceptions of a Skin Wearable for Stress Management." eWEAR 2020 Conference, Stanford University. February 14, 2020.

"An Energy Lifestyles Program for Tweens: A Pilot Study." CHI 2019, Glasgow, Scotland, United Kingdom, May 4 – 9, 2019.

"A Temporal Thermography System for Supporting Longitudinal Building Energy Audits." UbiComp 2017, Maui, Hawaii, USA September 11 – 15, 2017.

"Simplifying Overviews of Temporal Event Sequences*."* CHI 2016, San Jose, California, USA, May 7 – 17, 2016.

"Towards Automated Thermal Profiling of Buildings at Scale Using Unmanned Aerial Vehicles and 3D-Reconstruction*."* UbiComp 2014, Seattle, Washington, USA, September 13 – 17, 2014.

"CTArcade: Learning Computational Thinking While Training Virtual Characters Through Game Play." CHI 2012, Austin, Texas, USA, May 5 – 10, 2012.

INVITED TALKS

"Careers in CS for Social Good Panel." CS + Social Good, University of Delaware, May 5, 2025.

"Advancing Digital Health: AI-Driven Interventions for Patient Care and Workflow Optimization." Christiana Care's Nursing Research Fellowship in Robotics and Innovation Fellows Program, Christiana Care, Virtual Presentation, April 17, 2026.

"Advancing Digital Health: AI-Driven Interventions for Patient Care and Workflow Optimization." Human-Computer Interaction Lab Brown Bag Speaker Series, University of Maryland, April 10, 2025.

"Unleashing Creativity with Generative AI (Panel)" 2024 Innovation Summit, ChristianaCare, October 11, 2024.

"Academia vs. Industry: A Career Panel." CS + Social Good, University of Delaware, October 9, 2024.

"AI & Making: A Lightning Talk", UD AI Symposium 2023, University of Delaware, September 25, 2023.

"Academia vs. Industry: A Career Panel." CS + Social Good, University of Delaware, May 4, 2022.

"Designing Interactive Systems for Built Environments." HCI Seminar, Uppsala University, Virtual Presentation, Sept. 29, 2021.

"SAD: A Stress Annotated Dataset for Recognizing Everyday Stressors in SMS-like Conversational System." Data Science Institute Community Hour, Data Science Institute (DSI), University of Delaware, Virtual Presentation, March 25, 2021.

"Don't Stick It Here, Stick It There: Receptiveness to eSkin Wearables for Stress Monitoring in Northern California." Research in Progress Seminar Series, Stanford Diabetes Center, Stanford University. Virtual Seminar Presentation, May 15, 2020.

"Building Interactive Systems for Social Good." Illinois Institute of Technology, Computer Science Department, Virtual Seminar Presentation, March 24, 2020.

"Building Interactive Systems for Social Good." Michigan State University, Department of Computer Science and Engineering, Virtual Seminar Presentation, March 18, 2020.

"Building Interactive Systems for Social Good." Tufts University, Department of Computer Science, Virtual Seminar Presentation, March 13, 2020.

"Building Interactive Systems for Social Good." University at Albany – SUNY, Department of Computer Science, Albany, New York, USA, March 9, 2020.

"Building Interactive Systems for Social Good." University of Texas at Dallas, Department of Computer Science, Dallas, Texas, USA, March 4, 2020.

"Building Interactive Systems for Social Good." San Francisco State University, Computer Science Department, San Francisco, California, USA, February 27, 2020.

"Building Interactive Systems for Social Good." University of Delaware, Department of Computer and Information Sciences, Newark, Delaware, USA, February 19, 2020.

"Building Interactive Systems for Social Good." University of Texas at Arlington, Department of Computer Science and Engineering, Arlington, Texas, USA, February 12, 2020.

"An Energy Lifestyles Program for Tweens: A Pilot Study." The University of Oxford, Environmental Change Institute, England, United Kingdom, May 21, 2019.

"The Role of Thermography in Professional and Novice Energy Auditing." Owens Corning R&D, Granville, Ohio, USA, June 8, 2017.

"Game Jam 101: A Workshop." Global Game Jam 2017, American University, Washington, DC, USA, Jan 20, 2017.

"Tumbleweed Express: A tale of 54 game jams." International Game Developers Association (IGDA) DC Chapter Meeting, Washington, DC, USA, June 28, 2016.

"Exploring Non-Professional Smartphone-based Thermographic Energy Auditing." 32nd Annual HCIL Symposium, College Park, Maryland, USA, May 26, 2016.

"Game Jams, SCRUM, and the Development of Independent Video Games." 1st Annual UMD Video Game Showcase, College Park, Maryland, USA, April 14, 2013.

"Understanding the Role of Thermography in Energy Auditing: Current Practices and the Potential for Automated Solutions." University of Maryland Baltimore County, Baltimore, MD, USA, March 30, 2015.

"Social Fabric Fitness: The Design and Evaluation of Wearable E-textile Displays to Support Group Running." Quantified Self DC, Washington, DC, USA, March 19, 2014.

GUEST LECTURES

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, November 6, 2025.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, November 13, 2024.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, February 29, 2024.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, February 28, 2024.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, October 11, 2023.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, March 7, 2023.

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, January 25, 2023.

"Enhancing User Experiences with Technology Interventions." CISC890 — NEWGRAD, University of Delaware, Nov 28, 2022

"The Case of the Therac-25." CISC355 – Computer, Ethics and Society, University of Delaware, September 28, 2022.

"Game Jam 101: A Workshop." CISC374 – Educational Game Development, University of Delaware, April 26, 2022.

"Enhancing User Experiences with Technology Interventions." CISC890 — NEWGRAD, University of Delaware, Nov 5, 2021

"Physical Computing Gotchas: Tips, Tricks, and Skills for Working in Modern Makerspaces." CSCI 8115 - Human-Computer Interaction and User Interface Technology, University of Minnesota, Virtual Guest Lecture, February 11, 2021.

"Enhancing User Experiences with Technology Interventions." CISC890 — NEWGRAD, University of Delaware, December 7, 2020

GRANTS, GIFTS, & AWARDS

University of Delaware (as assistant professor)

2025   **Music for Children and Young Students with Autism**
University of Delaware, Economic Innovations and Partnerships, Innovation Ambassadors Program. $6,000
Gift Funding

2024   **Smart Sensor for Prosthetic Pylon Load Monitoring**
Delaware Bioscience Center for Advanced Technology – iHIT Program, $75,000
Co-author, PIs: Jill Higginson, Matthew Mauriello (Co-PI), Erik Thostenson, & Sagar Doshi

2024   **Learner-Adaptive, Pedagogical, Interactive Solutions (LAPIS) for using Generative AI to Support Students in Introductory Computer Science**
National Science Foundation, Research on Innovative Technologies for Enhanced Learning, $889,799
Co-author, PIs: John Aromando, Nazim Karaca, Cory Bart, Teomara Rutherford, & Matthew Mauriello (Co-PI)

2024   **Feasibility and Acceptability of a Gamified Mobile Health Intervention for Increasing Physical Activity and Reducing Sedentary Behavior in Autistic Adults with and without Mild Intellectual Disabilities**
University of Delaware, Maggie E. Neumann Research Fund, $52,145
Co-author, PIs: Daehyoung Lee, Anjana Bhat, & Matthew Louis Mauriello (Co-PI)

2024   **Music for Listeners with Autism: An Online Platform for Collecting Music Interaction Data from Children with Autism**
University of Delaware, Institute of Engineering Drive Health, Seed Translational Research Project, $177,725
Co-Author, PIs: Matthew Louis Mauriello (PI) & Daniel B. Stevens

2024   **Leveraging Machine Learning and Nanocomposite Wearable Sensors for Human Movement Detection**
University of Delaware, AI Center of Excellence, Seed Grant Program, $24,500
Co-Author, PIs: Sagar Doshi, Matthew Louis Mauriello (Co-PI), Erik Thostenson, & Jill Higginson

2023   **Augmenting Teaching Environments for Block-based Programming Education**
University of Delaware, College of Engineering, Mini-Grant Program, $5,000
Co-Author, PIs: Matthew Louis Mauriello (PI), Lori Pollock, & Minji Kong

2023   **Community Comms: A Personal Informatics Trial**
University of Delaware, AI Center of Excellence, Summer Intern Program, $1,950
Gift Funding

2022   **Community Comms: A Hybrid Web Mining, Crowd-powered, Online News Media Literacy Network**
University of Delaware, Biden School of Public Policy, SNF Ithaca Student Leaders Program, $1,000
Gift Funding

2022   **Interactive Music for Listeners with Autism and Related Disabilities**
University of Delaware, Maggie E. Neumann Research Fund, $49,000
Co-author, PIs: Daniel B. Stevens & Matthew Louis Mauriello (Co-PI)

2021   **SMIDGen: A Scalable, Mixed-Initiative Dataset Generation Tool for Online Social Science Research**
Sage Publishing, Sage Concept Grant Program, $2,736
Author, PI: Matthew Louis Mauriello

2021   **Supporting Future Crisis Line Work through the Inclusive Design of Worker-facing Tools that Empower Self-management of Wellbeing and Performance**
National Science Foundation, Future of Work at the Human-Technology Frontier: Core Research, $148,000
Co-author, PIs: Elizabeth L. Murnane, Kaiping Chen, Matthew Louis Mauriello (Co-PI), & Larry Leifer

Stanford University (as postdoc)

2021   **A Personalized Digital Long-term Stress Management Platform in the Age of COVID-19**
Stanford University, Center for Artificial Intelligence in Medicine & Imaging, $19,525 (Google Cloud)
Co-lead author, PI: Pablo E. Paredes

2020   **Multimodal & Multidomain Stress Sensing**
Stanford University, Institute for Human-Centered Artificial Intelligence Seed Grant, $75,000
Contributing writer, PIs: Pablo E. Paredes & Mert Pilanci

2020   **Personalized Long-Term Stress Management for COVID-19 Distance Learning**
Stanford University, Spectrum Population Health Sciences Pilot Grant Program, $40,000
Co-lead author, PIs: Pablo E. Paredes & Jane P. Kim

2020	**Digital Wellbeing and Occupational Health in the Age of COVID-19** Stanford University, RISE Grant Program, $50,000 Co-lead author, PIs: Victor G. Carrion, Pablo E. Paredes, & Jane P. Kim
2020	**Artificial Intelligence-Enabled Multimodal Stress Sensing for Precision Health** National Science Foundation, SenSE 20-556, $750,000 Contributing writer, PIs: Pablo E. Paredes, Zhenan Bao & Mert Pilanci
2020	**PopBots: An Army of Chatbots for Stress Management** Stanford University, Institute for Human-Centered Artificial Intelligence AWS Cloud Credits Grant, $3,000 Led proposal with co-author Pablo E. Paredes
2019	**IoT Infrastructure for Indoor Navigation** Adobe Research, Systems Technology Lab, $10,000 Led proposal with co-author Pablo E. Paredes

University of Maryland (as graduate student)

2014	**Pervasive Thermography and Building Sustainability** University of Maryland, Office of Sustainability, $11,500 Led proposal with co-author Jon E. Froehlich

TEACHING

In addition to the courses mentioned here, I also typically have undergraduate students registered for Independent Study via UNIV 366 or UNIV 466, as well as students completing a Senior Thesis via UNIV 401 or UNIV 402, and similar.

University of Delaware (as an assistant professor)

2026	Assistant Professor, CISC867: SEMINAR, Computing for Social Good (Spring 2026)
2026	Assistant Professor, CISCX87: VIP, Computing for Social Good (Spring 2026)
2025	Assistant Professor, CISCX82: Introduction to Human-Computer Interaction (Fall 2025)
2025	Assistant Professor, CISCX87: VIP, Computing for Social Good (Fall 2025)
2025	Assistant Professor, CISC364: Educational Game Design (Spring 2025)
2025	Assistant Professor, CISCX87: VIP, Computing for Social Good (Spring 2025)
2024	Assistant Professor, CISCX82: Introduction to Human-Computer Interaction (Fall 2024)
2024	Assistant Professor, CISCX87: VIP, Computing for Social Good (Fall 2024)
2024	Assistant Professor, CISCX87: VIP, Computing for Social Good (Spring 2024)
2023	Assistant Professor, CISC474: Advanced Web Technologies (Fall 2023)
2023	Assistant Professor, CISCX87: VIP, Computing for Social Good (Fall 2023)
2023	Assistant Professor, CISCX67: Computing for Social Good (Spring 2023)
2023	Assistant Professor, CISC361: Operating Systems (Spring 2023)
2023	Assistant Professor, CISCX87: VIP, Computing for Social Good (Spring 2023)
2022	Assistant Professor, CISCX82: Introduction to Human-Computer Interaction (Fall 2022)
2022	Assistant Professor, CISCX87: VIP, Computing for Social Good (Fall 2022)
2022	Assistant Professor, CISC361: Operating Systems (Spring 2022)
2022	Assistant Professor, CISCX87: VIP, Computing for Social Good (Spring 2022)
2021	Assistant Professor, CISC474: Advanced Web Technologies (Fall 2021)
2021	Assistant Professor, CISCX87: VIP, Computing for Social Good (Fall 2021)
2021	Assistant Professor, CISCX67: Computing for Social Good (Spring 2021)

University of Maryland (as a graduate student)

2016	Teaching Assistant (Co-Instructor), CMSC434: Introduction to Human-Computer Interaction (Fall 2016)
2015	Graduate Student Instructor, CMSC838L: Advanced Topics in Programming Languages; HCI Reading Seminar
2015	Teaching Assistant, CMSC434: Introduction to Human-Computer Interaction (Fall 2015)
2014	Teaching Assistant, CMSC434: Introduction to Human-Computer Interaction (Fall 2014)
2013	Teaching Assistant, CMSC434: Introduction to Human-Computer Interaction (Fall 2013)
2012	Teaching Assistant, CMSC426: Introduction to Image Processing (Fall 2012)
2012	Teaching Assistant, CMSC216: Introduction to Computer Systems (Spring 2012)

University of Delaware (as an assistant professor)

2024 – Present	Abbey Liu, PhD Student, University of Delaware
2024 – Present	Dhana Kankanala, MS Student, University of Delaware
2024 – Present	John Aromando, PhD Student, University of Delaware
2023 – Present	Abhishek Karwankar, PhD Student, University of Delaware
2022 – Present	Kyle Wang, PhD Student (Co-Advisor with Dr. Kenneth Barner), University of Delaware
2022 – Present	Moath Erqsous, PhD Student, University of Delaware
2022 – Present	Fatimah Alhassan, PhD Student, University of Delaware
2022 – Present	Prerana Khatiwada, PhD Student, University of Delaware
2021 – Present	Aishwarya Chandrasekaran, PhD Student, University of Delaware
2023	Asish Gamini, MS Student, University of Delaware
2023 – 2024	Harisha Janakiraman, MS Student, University of Delaware *(Software Engineer, T-Mobile)*
2021 – 2022	Ian Mumma, Graduate Intern, University of Delaware
2021 – 2022	Sahar Nilipour, MS Student, University of Delaware *(Engineer, Qualcomm)*
2021 – 2023	Minji Kong, MS Student (Co-Advisor with Dr. Lori Pollock), University of Delaware *(UX Researcher, IPA)*
2021 – 2022	Aneseh Alvanpour, Graduate Intern, University of Louisville *(Modeler, Discover Financial Services)*
2021	Daniel Halberg, Graduate Intern, University of Wisconsin-Madison *(Associate Data Scientist, AAA)*
2021	Alina Christenbury, MS Student, University of Delaware *(Gameplay Designer, Microsoft/The Coalition)*

Stanford University (as a postdoc)

2020	Parsa Nowruzi, Graduate Intern, Stanford University
2019 – 2020	Philip Dasler, Graduate Intern, Adobe Research
2019 – 2020	Thierry Lincoln, Graduate Intern, Stanford University
2019 – 2020	Grace Hon, Graduate Intern, Stanford University
2019	Akshara Motani, Graduate Intern, Stanford University

University of Maryland (as a graduate student)

2016 – 2017	Manaswi Saha, Graduate Intern, University of Maryland

UNDERGRADUATE & HIGH SCHOOL STUDENT MENTORING

University of Delaware (as an assistant professor)

2026 – Present	Brooklyn Harden, Undergraduate Intern, University of Delaware
2026 – Present	Selin Bacaz, Undergraduate Intern, University of Delaware
2026 – Present	Wei-en Tan, Undergraduate Intern, University of Delaware
2026 – Present	Aarush Goyal, Undergraduate Intern, University of Delaware
2025 – Present	Hanna Gebrel, Undergraduate Intern, University of Delaware
2025 – Present	Zahra Rezaei, Undergraduate Intern, University of Delaware
2025 – Present	Gopi Melam, Undergraduate Intern, University of Delaware
2025 – Present	Aastha Desai, Undergraduate Intern, University of Delaware
2025 – Present	Giulia Hoorens van Heyningen, Undergraduate Intern, University of Maryland
2025 – Present	Mizuho Okitani, Undergraduate Intern, University of Delaware (Visiting Scholar: Soka University, Japan)
2025 – Present	Jacob Gordon, Undergraduate Intern, University of Delaware
2025 – Present	Taylor Jenkins, Undergraduate Intern, University of Delaware
2025 – Present	Varun Pappu, Undergraduate Intern, University of Delaware
2025 – Present	Liam Stapley, Undergraduate Intern, University of Delaware
2025 – Present	Kathleen Higgins, Undergraduate Intern, University of Delaware
2025 – Present	Shukria Muhammadi, Undergraduate Intern, University of Delaware
2025 – Present	Samantha Paez, Undergraduate Intern, University of Delaware
2024 – Present	Alexander Clawson, Undergraduate Intern, University of Delaware
2024 – Present	Liam Roth, Undergraduate Intern, University of Delaware
2024 – Present	Jessica Manchak, Undergraduate Intern, University of Delaware
2024 – Present	Charmaine Pasicolan, Undergraduate Intern, University of Delaware
2023 – Present	Axel Rodriguez-Leon, Undergraduate Intern, University of Delaware
2022 – Present	Owen He, Undergraduate Intern, University of Delaware
2022 – Present	Ashrey Mahesh, Undergraduate Intern, University of Delaware
2022 – Present	Diya Shah, Undergraduate Intern, University of Delaware *(Software Engineer, Cisco Systems, Inc.)*

2025	Dustin Stark, Undergraduate Intern, University of Delaware
2025	Khang Nguyen, Undergraduate Intern, University of Delaware
2025	Trung Nguyen, Undergraduate Intern, University of Delaware
2025	Sarah Hershberger, Undergraduate Intern, University of Delaware
2025	Mateo Torres, Undergraduate Intern, University of Delaware
2024 – 2025	Duc Duc (Dustin) Tran, Undergraduate Intern, University of Delaware
2024 – 2025	Kayla Roth, Undergraduate Intern, University of Delaware
2024 – 2025	Victoria Nikolaeva, Undergraduate Intern, University of Delaware
2024 – 2025	Abdulrahman (Bood) Abdulhamid, Undergraduate Intern, University of Delaware
2024	Rowan Ackerman, Undergraduate Intern, University of Delaware
2024	Solenn Gacon, Undergraduate Intern, University of Delaware
2024	Sofia Antonia Vazquez, Undergraduate Intern, University of Delaware
2023 – 2025	Pranav Kamath, Undergraduate Intern, University of Delaware *(4+1 Program, University of Delaware)*
2023 – 2024	Shreeya Parekh, Undergraduate Intern, University of Delaware *(MS Program, MIT)*
2023 – 2024	Andrew Ngo, Undergraduate Intern, University of Delaware
2023 – 2024	Ricky Kiamilev, Undergraduate Intern, University of Delaware
2023 – 2024	Christopher Bennett, Undergraduate Intern, University of Delaware
2023 – 2024	Benita Abraham, Undergraduate Intern, University of Delaware
2023	Ryan Shaffer, Undergraduate Intern, University of Delaware
2023 – 2024	Connor Penhale, Undergraduate Intern, University of Delaware
2023	Guru Nayak, Undergraduate Intern, University of Delaware
2022 – 2024	Joy Mwaria, Undergraduate Intern, University of Delaware (*Software Engineer, Google*)
2022 – 2024	Faith Lovell, Undergraduate Intern, University of Delaware *(Full Stack Software Engineer, M&T Bank)*
2022 – 2024	Nabiha Syed, Undergraduate Intern, University of Delaware *(Software Engineer, Deloitte)*
2022 – 2024	London Bielicke, Undergraduate Intern, Rhodes College *(PhD Student, University of California, Los Angeles)*
2022 – 2024	Michael Arocho, Undergraduate Intern, University of Delaware *(Software Engineer, JP Morgan Chase)*
2022 – 2025	Malika Iyer, Undergraduate Intern, University of Delaware (*Software Engineer, Dell Technologies*)
2022 – 2025	Avinash Chouhan, Undergraduate Intern, University of Delaware
2022 – 2025	Arnav Taduvayi, High School Intern, Odyssey Charter High School (*Undergraduate Student, Georgia Tech*)
2022 – 2023	Ella Wilkins, Undergraduate Intern, University of Delaware
2022 – 2023	Aparna Roy, Undergraduate Intern, University of Delaware
2022 – 2023	Yuqing Pan, Undergraduate Intern, University of Delaware
2022 – 2023	JD Wang, Undergraduate Intern, University of Delaware *(4+1 Program, University of Delaware)*
2022 – 2023	Maxwell Wang, Undergraduate Intern, University of Delaware (*Software Engineer, Northrop Grumman*)
2022	Trisha Srikanth, High School Intern, Padua Academy
2022 – 2025	Simon Brugel, Undergraduate Intern, University of Delaware (*Software Engineer, SEI*)
2021 – 2023	Luke Halko, Undergraduate Intern, University of Delaware *(Data Scientist, CompassRed/LabWare)*
2021 – 2022	Ribo Yuan, Undergraduate Intern, University of Delaware (*MS Program, Northeastern University*)
2021	Noah Hodgson, Undergraduate Intern, University of Delaware (*Innovation Architect, WL Gore & Associates*)
2021	Emily Taylor, Undergraduate Intern, University of Delaware (*Software Development Engineer, Expedia Grp.*)
2021, 2023	Ansh Jain, High School Intern, Caravel Academy (*Undergraduate Student, University of Maryland*)

Stanford University (as a postdoc)

2020	Dorien Simon, Undergraduate Intern, Stanford University
2020	Luke Hansen, Undergraduate Intern, Stanford University
2020	Joshua Kim, Undergraduate Intern, Stanford University
2020	Nathaniel Goenawan, Undergraduate Intern, Stanford University
2020	Gizem Incesu, Undergraduate Intern, Stanford University
2019 – 2020	Marco Antonio Mora-Mendoza, Undergraduate Intern, Stanford University
2019 – 2020	Nick Tantivasadakarn, Undergraduate Intern, Stanford University
2018 – 2019	Kintien Wong, High School Intern, Stanford University

University of Maryland (as a graduate student)

2017 – 2018	Simran Chawla, Undergraduate Intern, University of Maryland
2017	Sapna Bagalkotkar, High School Intern, University of Maryland
2017	Samuel Kushnir, High School Intern, University of Maryland
2017	Matt Brady, Undergraduate Intern, University of Maryland

2017	Anthony Castrio, Undergraduate Intern, University of Maryland
2016	Julia Zheng, Undergraduate Intern, University of Maryland
2016	Luka Zhupa, Undergraduate Intern, University of Maryland
2015 – 2016	Erica Brown, Undergraduate Intern, University of Maryland
2014, 2016	Jamie Gilkeson, High School & Undergraduate Intern, University of Maryland
2013, 2016 – 2017	Noa Chazan, High School & Undergraduate Intern, University of Maryland

DISSERTATION, THESIS, & SIMILAR COMMITTEES

2026 – Present	Austin Meeks, PhD Dissertation Committee (Minor Area Faculty Member)
2025 – Present	Coleman Walsh, Senior Thesis Committee (Third Reader)
2025 – Present	Prerana Khatiwada, PhD Dissertation Committee (Chair)
2025 – Present	Qile Wang, PhD Dissertation Committee (Chair)
2025 – Present	Aishwarya Chandrasekaran, PhD Dissertation Committee (Chair)
2024 – Present	Lia McNulty, PhD Dissertation Committee (Major Area Faculty Member)
2022 – Present	Suhotro Gorai, PhD Dissertation Committee (Minor Area Faculty Member)
2025	Huning Liang, PhD Dissertation Committee (Minor Area Faculty Member)
2025	Abbey Liu, PhD Preliminary Exam Committee (Chair)
2025	Fatimah Alhassan, PhD Preliminary Exam Committee (Chair)
2025	John Aromando, PhD Preliminary Exam Committee (Chair)
2024 – 2025	Daniah Jones, Senior Thesis Committee (Third Reader)
2024 – 2025	Julianne Pheris, Senior Thesis Committee (Third Reader)
2024 – 2025	Gabriella Porco, Senior Thesis Committee (Third Reader)
2024 – 2025	Sha Liu, PhD Dissertation Committee (Minor Area Faculty Member)
2024 – 2025	Silo Murphy, Senior Thesis Committee (Third Reader)
2024 – 2025	Talha Mahmood, Senior Thesis Committee (Third Reader)
2024 – 2025	Malika Iyer, Senior Thesis Committee (Chair)
2024	Moath Erqsous, PhD Preliminary Exam Committee (Chair)
2024	Abhishek Karwankar, PhD Preliminary Exam Committee (Chair)
2024	Andrew Kallai, Senior Thesis Committee (Third Reader)
2024	Ziyi Zhou, Senior Thesis Committee (Third Reader)
2023 – 2025	Vineeth Gutta, PhD Dissertation Committee (Minor Area Faculty Member)
2023 – 2024	Mina Samizadeh, PhD Dissertation Committee (Major Area Faculty Member)
2023 – 2024	Hamed Fayyaz, PhD Dissertation Committee (Minor Area Faculty Member)
2023 – 2024	Shreeya Parekh, Senior Thesis Committee (Chair)
2023	Qile Wang, PhD Preliminary Exam Committee (Chair)
2023 – 2023	Ankit Kulshrestha, PhD Dissertation Committee (Minor Area Faculty Member)
2022 – 2022	Fumian Chen, PhD Dissertation Committee (Minor Area Faculty Member)
2022 – 2024	Yifan Zhang, PhD Dissertation Committee (Minor Area Faculty Member)
2022 – 2024	Matthew Frazier, PhD Dissertation Committee (Major Area Faculty Member)
2022 – 2024	Jicheng Li, PhD Dissertation Committee (Minor Area Faculty Member)
2021 – 2023	Ajith Vemuri, PhD Dissertation Committee (Major Area Faculty Member)
2023	Aishwarya Chandrasekaran, PhD Preliminary Exam Committee (Chair)
2023	Prerana Khatiwada, PhD Preliminary Exam Committee (Chair)
2021 – 2022	Yunzhi Li, PhD Dissertation Committee (Minor Area Faculty Member)
2022	Sahar Nilipour, MS Thesis Committee (Chair)
2021 – 2022	Yan-Ming Chiou, PhD Dissertation Committee (Minor Area Faculty Member)
2021	Minji Kong, PhD Preliminary Exam Committee (Major Area Faculty Member)

PROFESSIONAL ACTIVITIES & SERVICE

Some service activities carry over from prior positions, and most cases are listed by the institute where the services originated.

External Service - University of Delaware (as an assistant professor)

2026 – Present	Reviewer, ACM Conference on Fairness, Accountability, and Transparency (FAccT)
2026 – Present	Program Committee, ACM Conference on Computers and Accessibility (ASSETS)
2024 – Present	Associate Editor, ACM Interactions Climate Change Forum
2024 – Present	Subcommittee Chair, Specific Applications; ACM Human Factors in Computing Systems Conference (CHI)

2023 – Present	Associate Chair, Interaction Design and Children (IDC) Conference
2022 – Present	Program Committee, International Conference on Advances in Computer-Human Interactions (ACHI)
2022 – Present	Sustainability Co-Chair ACM Conference on Human Factors in Computing Systems (CHI)
2021 – Present	Reviewer, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
2018 – Present	Program Committee, ICT for Sustainability Conference (ICT4S)
2025	Reviewer, Internet Interventions
2025	Reviewer, ACM Symposium on User Interface Software and Technology (UIST)
2025	Reviewer, JMIR mHealth and uHealth
2025	Reviewer, Journal of the American Medical Informatics Association
2025	Session Chair, Interaction Design and Children (ACM IDC)
2024 – 2025	Member, TC56: Natural Language Interaction Protocol for Communication with AI Agents (Ecma Intl)
2023 – 2024	Guest Editor, IEEE Pervasive Computing (Magazine): Special Issue on Pervasive Sustainability
2022	Participating Writer, NSF-sponsored Human Building Interaction Writing Workshop
2022 – 2024	Member, SIGCHI Sustainability Committee
2022 – 2023	Reviewer, NSF Graduate Research Fellowship Program
2022 – 2023	Reviewer, NSF IIS: HCC Grant Program Reviewer
2022	Member, Awards Committee; Human Factors in Computing Systems Conference (ACM CHI2022)
2021 – 2023	Reviewer, ACM International Conference on Web and Social Media (AAAI ICWSM)
2021	Reviewer, Behavior & Information Technology (BIT)
2021	Reviewer, 9th International Conference on Affective Computing & Intelligent Interaction (ACII 2021)
2020 – 2024	Associate Chair, Specific Application Areas; Human Factors in Computing Systems Conference (ACM CHI)
2017 – 2023	Reviewer, Proceedings of the ACM on Interactive, Mobile, Wearable, and Ubiquitous Technologies (IMWUT)

External Service – Stanford University (as a postdoc)

2020	Reviewer, 15th ACM International Conference on Tangible, Embedded and Embodied Interaction (TEI 2021)
2020	Reviewer, UbiComp/ISWC 2020 Posters and Demos
2020	Reviewer, 11th Nordic Conference on Human-Computer Interaction (NordiCHI 2020)
2020	Reviewer, ACM User Interface Software and Technology Symposium (UIST 2020)
2020	Organizer, (not-)CHI2020 Sustainable HCI Virtual Forum
2019 – 2021	Communications Chair, ACM SIGCHI Communities: HCI and Sustainability (SHCI)
2019	Reviewer, International Journal of Human-Computer Studies (IJHCS)
2018 – 2019	Reviewer, Applied Energy (Journal)

External Service – University of Maryland (as a graduate student)

2018, 2021	Session Chair, Human Factors in Computer Systems Conference (CHI)
2018	Reviewer, Graphics Interface Conference (GI2018)
2018	Reviewer, ACM Designing Interactive Systems (DIS) Conference
2017	Reviewer, Social Science Computer Review (SSCORE)
2016 – 2022	Reviewer, Journal of Medical Internet Research (JMIR, JMIR Formative, JMIR Cardio)
2016 – 2017	Reviewer, Computer-Human Interaction in Play (CHI-PLAY)
2016	Student Volunteer, Human Factors in Computer Systems Conference (CHI)
2013 – 2019	Reviewer, Papers & LBWs, Proceedings of the ACM on Human Factors in Computing Systems (CHI)

University Service - University of Delaware (as an assistant professor)

2023 – Present	Summer Scholars & Fellows Mentor, UD Office of Undergraduate Research
2025 – Present	Innovation Ambassador, UD Innovation Ambassadors Program (NSF ART)
2025 – Present	Reviewer, Institute for Engineering Drive Health Pilot Grants Program (NSF ART)
2024 – Present	Member, UD Board of Senior Thesis Readers
2023 – Present	Winter Fellows Mentor, UD Office of Undergraduate Research
2021 – Present	Faculty Advisor, UD COE Engineering Education Ecosystem, University of Delaware
2021 – Present	Faculty Mentor, UD COE K12 High School Internship Program, University of Delaware
2022	COE Faculty Representative, UD Laird Fellowship Committee
2021 – 2022	Faculty Mentor, SNF Ithaca Initiative, The Biden School of Public Policy & Admin., University of Delaware
2021	Technical Subcommittee Chair, Data Science Institute Symposium, University of Delaware

University Service – University of Maryland (as a graduate student)
2011 – 2018	Volunteer, University of Maryland Day
2011	Volunteer, Women in Engineering (WIE) DREAM Conference
2011	Volunteer, University of Maryland STEM Expo

Department Service - University of Delaware (as an assistant professor)
2025 – Present	Member, HenHacks Faculty Organizers Committee
2023 – Present	Area Contact (HCI/HCC), UD CIS, University of Delaware
2022 – Present	Chair, UD CIS Awards Committee, University of Delaware
2021 – Present	Faculty Mentor, UD CIS CS+ Social Good Student Organization, University of Delaware
2025	Faculty Volunteer & Health and Wellbeing Judge, HenHacks 2025, University of Delaware
2024	Beginner Hacks Judge, HenHacks 2024, University of Delaware
2023 – 2024	Member, UD CIS Tenure-Track Faculty Search Committee, University of Delaware
2021 – 2022	Member, CIS Graduate Program Committee, University of Delaware
2020 – 2022	Member, CIS Graduate Admissions Committee, University of Delaware

Department Service - University of Maryland (as a graduate student)
2018	Graduate Admissions Committee, Department of Computer Science, University of Maryland
2017 – 2018	Hackerspace Student Coordinator, Human-Computer Interaction Lab (HCIL), University of Maryland
2016 – 2017	Graduate Representative, Department Council, Department of Computer Science, University of Maryland
2016	Graduate Student Ambassador, Department of Computer Science, University of Maryland
2015 – 2016	Graduate Representative, Education Committee, Department of Computer Science, University of Maryland
2014 – 2018	Human-Computer Interaction Lab (HCIL) Social Coordinator (HCIL-Play Listserv & Social Media)
2012 – 2018	Student Volunteer, Annual Human-Computer Interaction Lab (HCIL) Symposium
2012 – 2013	Vice President, University of Maryland Student Chapter of the Association for Computing Machinery (ACM)

PROFESSIONAL MEMBERSHIPS

2021 – Present	Professional Member, American Association of University Professors (AAUP)
2019 – Present	Professional Member, International Game Developers Association (IGDA)
2018 – Present	Professional Member, Association for Computing Machinery (ACM) [SIGCHI & SIGCSE]
2008 – Present	Developer, Independent Video Game Project(s)
2023 – 2024	Professional Member, Institute of Electrical and Electronics Engineers (IEEE)
2012 – 2018	Student Member, Association for Computing Machinery (ACM) and SIGCHI
2009 – 2018	Student Member, International Game Developers Association (IGDA)

PRESS

2025	Khatiwada, P., Ciuba, A., Nayak, A. N., Gautam, G., and **Mauriello, M.L.**, (2025). "When a Nation Banned TikTok: What Nepal Teaches Us About Digital Governance and Everyday Users." National Policy Forum (November 2025). Blog Post.
2025	"From Seed Funding to Innovation Ambassador." Community Engagement Initiative (October 2025). Press Release.
2025	Roberts, K.B., (2025). "Innovation in Focus." UDaily (October 2025). Full Article.
2024	Friday, A., Light, A., Jacques, J.T., **Mauriello, M.L.**, Gerling, K., Soden, R., Shakeri, G., Bidwell, N.J., Sharma, V., and Kumar, N., (2024). "There is no Plan(et) B: On Sustainability and HCI." ACM Interactions (December 2024). Blog Post.
2023	Cherry, A., (2023). "Learning to Love Music." UDaily (March 2023). Full Article.
2022	**Mauriello, M.L.**, (2022). "SMIDGen: A scalable, mixed-initiative dataset generation tool for online social science research." SAGE Publishing (Spring 2022). Blog Post.
2021	Li, J., and Ahuja, K., (2021). "Making with a sustainable purpose: an interview with Matthew L. Mauriello." XRDS 27, 4 (Summer 2021), 38–41. Full Article.