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How are you planning to make money? Show a schedule when you expect revenues to pour in.

9. COMPETITION

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8. MARKET

Know, or at least attempt to predict, the size of your target market.

7. TRACTION

Traction means having a measurable set of customers that serves to prove a potential.

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Show the people behind the idea and briefly describe their role.

3. PROBLEM

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Deep Learning Meets Cybersecurity

Investor Deck September 2017

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The Leadership Team



Experience: Research and Development

John Cavazos, Ph.D. (CEO and Founder)

Current Associate Professor at University of Delaware
JP Morgan Faculty Fellow at Inst. For Financial Services Analytics



Experience: Execution Strategy

Jay Modi (COO)

Former CTO at Lockheed Martin
Senior positions at The SI Organization, CSC, and NASA

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The Problem



- * Over 100K malware variants created every hour
- Bad actors have embraced automation

and wei l contact the email address.
i°Thanks a lot to Godi sApstls contributing your great effort to peace of the world.i±

Good actors still construct malware detection rules manually

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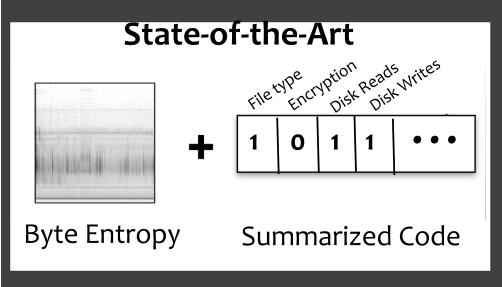
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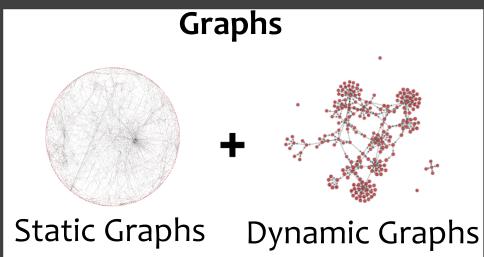
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State-of-the-Art versus

Graph-Based Malware Characterization





- Feature Vector Characterization
 - Byte Entropy Histograms
 - Summarized Code Structure
- Graph-Based Characterization
 - Static Code Graphs
 - Dynamic Behavioral Graphs

50% improvement in accuracy using Graphs!

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The Solution:

Deep Learning Applied to Cybersecurity



Training Data Sets:
Repository of
Billions of Malware



Deep Learning



High-Performance Cloud Computing



20 Years R&D



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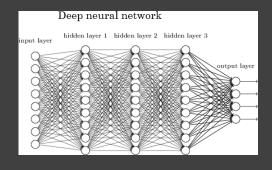
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MODEL

The Product

Cyber 20/20 is an all-software product consisting of:

1) a deep learning neural network in the cloud







2) a network tap used to extract and examine all binary files entering an enterprise

3) a web based user interface

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Great Start!



* Awarded \$600K contract from Naval Research Laboratory.



 Awarded 1.25 Million compute hours on Department of Energy Titan supercomputer (fastest US supercomputer) to enhance our characterization and machine learning models.



* Applied for patent application No. 15256883, "Malware Analysis and Detection Using Graph-Based Characterization and Machine Learning"

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Target Market Verticals

 Insurance and Financial Firms

DoD, DHS, IC



 Critical infrastructure and healthcare



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Competitive / Cooperative Landscape















Barriers To Entry For Competition

Graph-based Characterization

+

Machine Learning

- Patent pending for richest characterization of malware: graph-based characterization
- Know-how second to none: 20 years of code characterization and machine learning
- World-class experts in machine/deep learning, reverse engineering, high-performance computing, and malware analysis

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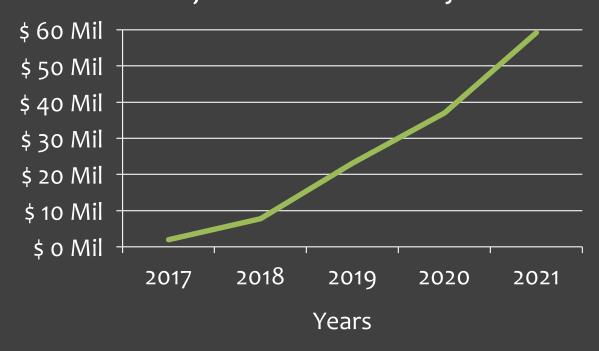
How does your product or service actually work? Show some examples.

Pricing and Projected Revenue Recurring Revenue Focus

Novel Pricing Scheme Cost of Service: 1¢ per File

Organization Monthly Monthly # of Files Size Cost Very Large 10 Million \$100,000 Large 1 Million \$10,000 Medium \$2500 250K Small 100K \$1000

Projected Revenue
Projected Profitability in Y2



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How does your product or service actually work? Show some examples.

Capital Request

- 24-month runway
- Early exit potential
- Uses of funds
 - Develop platform & product features
 - Build sales and marketing engine

\$X.X Mil

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