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Who are you and why you’re here? Keep it short and sweet.

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

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

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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

* Good actors still construct malware detection rules manually
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State-of-the-Art versus Graph-Based Malware Characterization

50% improvement in accuracy using Graphs!

- Feature Vector Characterization
  - Byte Entropy Histograms
  - Summarized Code Structure

- Graph-Based Characterization
  - Static Code Graphs
  - Dynamic Behavioral Graphs
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WWW.CYBER2020.COM
The Solution:
Deep Learning Applied to Cybersecurity

Training Data Sets: Repository of Billions of Malware + theano + Amazon Web Services + 20 Years R&D

Deep Learning = High-Performance Cloud Computing = CYBER 20/20
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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

DARKTRACE
CARBON BLACK
BLUVECTOR
THREAT CONNECT
deep instinct
CounterTack
REVERSING LABS
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
Pricing and Projected Revenue
Recurring Revenue Focus

Novel Pricing Scheme
Cost of Service: 1¢ per File

<table>
<thead>
<tr>
<th>Organization Size</th>
<th>Monthly # of Files</th>
<th>Monthly Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Large</td>
<td>10 Million</td>
<td>$100,000</td>
</tr>
<tr>
<td>Large</td>
<td>1 Million</td>
<td>$10,000</td>
</tr>
<tr>
<td>Medium</td>
<td>250K</td>
<td>$2500</td>
</tr>
<tr>
<td>Small</td>
<td>100K</td>
<td>$1000</td>
</tr>
</tbody>
</table>

Projected Revenue
Projected Profitability in Y2

<table>
<thead>
<tr>
<th>Years</th>
<th>$ 0 Mil</th>
<th>$ 10 Mil</th>
<th>$ 20 Mil</th>
<th>$ 30 Mil</th>
<th>$ 40 Mil</th>
<th>$ 50 Mil</th>
<th>$ 60 Mil</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2018</td>
<td></td>
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<td></td>
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<tr>
<td>2019</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>2020</td>
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<tr>
<td>2021</td>
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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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Deep Learning Meets Cybersecurity

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