

## Matthew Finnegan

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### EDUCATION

<b>University of Massachusetts, Amherst</b> <b>Manning College of Information and Computer Sciences</b> <i>Bachelor of Science in Computer Science</i>	Amherst, MA <i>Expected, 2027</i>
<ul style="list-style-type: none"><li>Cumulative GPA: 3.85, Dean's List all semesters</li><li><b>Relevant Coursework:</b> Data Structures, Algorithms, Operating Systems, Network Security, Object Oriented Programming, Probability and Statistics, Calculus I &amp; II</li></ul>	
<b>St. John's Preparatory School</b> <i>GPA: 4.39</i>	Danvers, MA <i>September 2016-May 2023</i>

### PROJECTS

<b>DuckPond Notification Platform</b>	<i>Spring 2025</i>
<ul style="list-style-type: none"><li>Built a full-stack notification system in a Scrum-style team project sponsored by Duck Creek Technologies using Next.js, FastAPI, and MongoDB.</li><li>Delivered core features: compose modal, inbox/sent/drafts, search &amp; filters, user profiles and settings, and an AI assistant for autofill/drafting</li></ul>	
<b>Home Network Intrusion Monitor</b>	<i>Summer 2025</i>
<ul style="list-style-type: none"><li>Built a lightweight intrusion detection system built with Python (Scapy) for packet sniffing and blacklist lookups</li><li>Integrated Streamlit dashboard for real-time, color-coded traffic visualization</li></ul>	

### SKILLS

**Primary Languages:** C, C++, Python  
**Tools and Frameworks:** VSCode, Git, Bash, MongoDB, FastAPI, Streamlit

### EXPERIENCE

<b>Computer Crime Unit</b> <i>Digital Forensics Intern</i>	District Attorney's Office Salem, MA <i>Summer 2025</i>
<ul style="list-style-type: none"><li>Analyzed digital evidence, including mobile device data extraction using industry forensic tools (e.g., Cellebrite, GrayKey).</li><li>Documented investigative workflows, strengthening understanding of digital evidence handling and chain of custody.</li></ul>	
<b>Hodgies Ice Cream</b> <i>Shift Lead</i>	Amesbury, MA <i>May 2021-August 2025</i>
<ul style="list-style-type: none"><li>Trained new staff while overseeing grill operations and ice cream production.</li><li>Developed leadership and communication skills in a fast-paced setting.</li></ul>	

### ACTIVITIES & INTERESTS.

<b>UMass Cybersecurity Club</b> Member	Amherst, MA Fall 2025-Present
<b>HackUMass</b> Participant	Amherst, MA <i>Fall 2024</i>
<b>UMass Ski and Board Club</b> Member	Amherst, MA <i>September 2023-Present</i>

