

# KATIE BARNES

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Chelsea, MA

[LinkedIn](#) | [Portfolio Site](#) | [Digital Forensics Portfolio](#) | [GitHub](#)

## Objective

Motivated and adaptable cybersecurity and software engineering professional seeking opportunities to apply technical expertise, investigative skills, and a strong academic background to real-world challenges. Open to cybersecurity, software development, or emerging technology roles (remote or hybrid preferred but open to all opportunities).

## Education

**Merrimack College** – M.S., Computer Science & Software Engineering (2025)

**Boston University** – Graduate Certificate, Cybersecurity & Digital Forensics (2021)

**University of Massachusetts Lowell** – B.S., Criminal Justice (2020)

## Technical Skills

Languages & Tools: Python, C++, JavaScript, HTML/CSS, REST, gRPC

Cybersecurity: Digital Forensics (Autopsy, FTK Imager, OSForensics), SIEM, Incident Response, Threat Analysis

Cloud & Platforms: Microsoft 365, Azure, Google Cloud APIs

Other: Git/GitHub, API integration, Profiling & Optimization (cProfile)

## Projects

### Digital Forensics Investigations – Boston University

- Performed forensic imaging and analysis using Autopsy, FTK Imager, and OSForensics.
- Investigated phishing, malware, and intrusion scenarios.

### Google Maps Weather App – Merrimack College

- Built a web app integrating Google Maps API and real-time weather data using JavaScript, HTML/CSS, and REST APIs.

### Algorithm Optimization (Python)

- Profiled and optimized a prime-finding program with cProfile to significantly reduce runtime.

### Finite State Automata (C++)

- Implemented deterministic and non-deterministic finite automata to validate string inputs.

## Achievements

- Earned M.S. in Computer Science & Software Engineering and Graduate Certificate in Cybersecurity & Digital Forensics.
- Completed AT&T Technology Academy 2025 (5G, Cloud, Network Troubleshooting, Leadership).
- Member of Phi Theta Kappa Honor Society; graduated with high honors.
- Recognized for leadership and reliability in management roles.

## Additional Experience

### Receptionist – Legal Department | City Hall, Chelsea, MA | 2013 – 2014

- Managed front desk operations and administrative tasks in a legal environment.

### Retail & Customer Service Roles (Various) | Boston/Cambridge/Brookline, MA | 1999 – 2011

- Held leadership and customer-facing positions at Contempo Casuals, Ann Taylor, Lane Bryant, Axis Nightclub, and CVS Photo Lab.
- Demonstrated strong multitasking, communication, and leadership skills.