Matthew Chiccino

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Education

Boston University   **Boston, MA**

BS, Computer Science   *Expected: May 2023-2027*

- Relevant Coursework: Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, Databases, Discrete Mathematics, Linear Algebra, Probability in Computing.

Experience

Staples   **Framingham, MA**

Software Engineer Intern   *June 2025-August 2025*

- Eliminated 50+ flagged vulnerabilities in the central payment gateway, achieving full compliance with the Payment Card Industry Security Standards Council (PCI SSC) across all business units.
- Developed an automated, flow-based API testing system with performance, code coverage, health checks, and email reporting, reducing approximately 5 story points of manual QA per sprint.
- Integrated the testing framework into a Jenkins based CI/CD pipeline for continuous validation.
- Resolved bugs across central enterprise Java applications using Spring, Maven, and Azure.
- Gained a strong understanding of e-commerce payment workflows, from authorization through settlement, and implemented features that aligned with the team's payments strategy.

GIDR.ai   **Rochester, NY**

AI Software Engineer Intern   *June 2024-August 2024*

- Worked with a small team of senior engineers developing enterprise level AI infrastructure.
- Optimized LLM performance by balancing cost, tokenization strategies, latency, and scalability
- Created four self correcting LLM evaluators measuring accuracy, groundedness, real-time latency.
- Assumed role as "Prompt Engineer" and rewrote/refined every prompt across the platform.

College of Arts and Sciences IT   **Boston, MA**

Information Technology Desktop Assistant   *September 2023-Present*

- Diagnose and resolve hardware and software issues for both Windows and macOS for BU faculty.
- Install, configure, and manage operating systems, applications, and supported software platforms
- Monitor and maintain system performance metrics, generating reports for IT management.
- Maintain and manage IT equipment inventory, ensuring all devices are up-to-date and fully operational.

Projects

HackHarvard (Hackathon)   **Cambridge, MA**

- End-to-end physical therapy web application with front end, authentication, and backend API
- Live pose estimation, real time accuracy scores for prescribed exercises in real time.

Wordsmith - *Independent*

- Full-stack web application for a word game utilizing dataset of word vector embeddings
- Built a backend web server for the API and vector computation for similarity analysis, utilizing algorithms for efficient sorting and searching with Python and NumPy for vector computations.
- Created responsive frontend and deployed for public access here: *wordsmith-1.onrender.com/*

Skills, Interests, etc

Languages: Python, Java, C/C++, Assembly, JavaScript, HTML, CSS

Related: Azure, Agile, Springboot, Maven, Jenkins, Swagger, FastAPI, Flask, Git, Postman

Website: *matthewchiccino.github.io/Personal-Website/home.html*