

Matthew Chiccino

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Education

Boston University

Boston, MA

BS, Computer Science, Minor in Economics

Cumulative GPA: 3.75

- Relevant Coursework: Object-Oriented Programming, Data Structures, Computer Systems, Algorithms, Probability in Computing, Discrete Mathematics, Linear Algebra, Macroeconomics, Microeconomics

Experience

GIDR.ai

Rochester, NY

AI Software Engineer Intern

May 2024-August 2024

- Worked full time with a small team of senior engineers to develop enterprise level AI infrastructure.
- Created four self correcting LLM evaluators measuring accuracy, groundedness, real-time latency.
- Conducted extensive experiments with various services with a custom RAG model to make personal AI assistants for large telecommunications company CBA.
- Engaged in startup culture, participated in product and service discussions, attended daily stand-ups, and gained experience with agile development methodology and various software engineering platforms.

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.

HackHarvard (Hackathon)

Cambridge, MA

Easy-PT

October-2024

- Worked on a small team to develop a physical therapy web application through pose estimation.
- Implemented a vector database to store movement data from live pose estimation, and computed real time accuracy scores for prescribed exercises in real time.
- Pitched our project to 10 industry professionals and company representatives

Projects

Wordsmith - Independent

- Developed a full-stack web application for a word game where users guess answers based on similarity scores, utilizing a personally developed dataset of word vector embeddings for backend computations.
- 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/

Resume Review - Independent

- Developed a full stack web application which inputs resumes from the user, processes and provides a list of custom critiques which users can select to generate an improved PDF document with the changes.

Skills, Interests, etc

Languages: Python, Java, C, Assembly, JavaScript, HTML, CSS, SQL

Related: GCS, Kubernetes, Git, Github, Visual Studio Code, Emacs, FastAPI, Swagger, Postman, Docker

AI: LLMs, RAG, Fine tuning, Langchain, Langsmith, Prompt Engineering, Vector Databases

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