Hnin Lwin

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EDUCATION

Hunter College (CUNY)   **GPA: 3.7/4.0**
Bachelor of Arts in Computer Science, Minor in Mathematics   **Expected Dec 2024**
Relevant Courses: Software Analysis & Design | Statistics | Computer Architecture | Web Development | Database Management

SKILLS & ORGANIZATIONS

Programming Languages: Python | C++ | JavaScript | HTML/CSS | React

Tools: Bootstrap | Excel | NumPy | Pandas | LangChain

Organizations: Girls Who Code | Google SWE Mentee(G-SWEP) | Rewriting the Code |Project Basta | CUNY Tech Prep

WORK EXPERIENCE

Moodbit StartUp | *Software Engineer Intern*   Feb. 2024 - May 2024
- Engineered a system with a dedicated endpoint for team usage, utilizing Python Flask and React to evaluate and compare the transcription quality of OpenAI Whisper and Nvidia Riva speech-to-text models.
- Curated a diverse dataset of over 100 audio files, including various podcasts, accents, and lengths, to rigorously test and benchmark the models.

Unadat StartUp | *Software Engineer Intern*   Jan 2023 – May 2023
- Enhanced user engagement by 20% by refactoring an interactive modal popup with JavaScript and HTML/CSS, prioritizing an accessible design, and increase in website's traction rate for chores feature.
- Crafted a SQL script to migrate 3000+ rows of data entries into MySQL production database, reducing overall downtime of data migration by 10%.
- Executed over 10+ Jira tickets to successfully refactor standalone, readable components according to users' requirements.

JP Morgan Chase & Co. | *Software Engineer Intern*   Jan 2023 – Feb 2023
- Analyzed 10,000+ row dataset of financial quotes using Python's pandas library to generate reports that improve internal traders' decision making, resulting in an increase of revenue by 30%.
- Implemented unit tests with Python pandas to validate 20,000+ rows of raw data streamlining into the database, which prevented format and pipeline errors by 20%.

Hunter College | *Undergraduate Teaching Assistant*   Aug 2022 – Present
- Conducted code reviews for 200+ students bi-weekly by delivering personalized feedback verbally to improve coding comprehension and overall academic performance by 70%.
- Coordinated with 15+ TAs to refine tutoring strategies and identify knowledge expertise towards Computer Science curriculum for 700+ students which boosted completion rate and increased grade average by 30%.

PROJECTS

LangGuard | (Python | Flask | React | OpenAI | LangChain)   Dec 2023
- Engineered a full-stack web application that is capable of extracting information from a PDF by leveraging RAG architecture, striving to assist students save time while reading syllabus through queries.
- Integrated the LangChain open source framework, enabling efficient information retrieval and context awareness of the GPT-3.5 model.
- Developed a robust monitoring system to track token usage in API calls and enforce rate limit hit rate, optimizing the application's performance during usage.

Virus Tracker (HackAlpha Hackathon) | (JavaScript | HTML/CSS | Bootstrap | Chart.js | D3.js)   Aug 2022
- Secured 1st place against 600+ candidates by utilizing Bootstrap framework to design responsive infographic website analyzing Covid-19 and Monkeypox trends.
- Extracted relevant infection rate data from CDC site with Javascript, Chart.js and D3.js libraries to create modern dynamic data visualizations to compare geographic impact.
- Compiled information from 6 different sources to ensure reliability and credibility in the presented data.