Kailin Xing

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Summary

Seeking an Internship opportunity to develop my technical skills further and gain real-world engineering experience.

Technical Skills

- **Programming Languages:** Python (Flask, Django, LangChain, NumPy, Streamlit, beautiful-soup), C++, Java (Swing), MATLAB, Kotlin, SQL (MySQL, SQLite, NoSQL), HTML, CSS, JavaScript (React, Vue.js), LaTeX
- **Technologies:** Git, Pinecone, RAG, AWS EC2, IntelliJ, SQLite, MySQL, phpMyAdmin, VSCode, Cloudflare

Education

Northeastern University   Boston, Massachusetts
Bachelor of Science, Computer Engineering and Computer Science   Sep. 2023 – May 2027

- CGPA: 3.85/4.00, Major GPA: 4.00/4.00
- Relevant Coursework: Fundamentals of Computer Science 2 (Java), Database Design (SQLite, MySQL), Mathematics of Data Models (Deep Learning), Fundamentals of Computer Science 1 (Kotlin), Discrete Structures
- Activities: NU IEEE Workshop Coordinator (E-Board), Undergraduate Research Club
- Hackathons: Hacklytics 2024 (Georgia Institute of Technology), Pawhacks 1.0 (Northeastern U Oakland)

Awards and Accomplishments

Harvard Undergraduate Trading Competition   Boston, Massachusetts
5th place Overall   Mar. 2024

- 3rd Place in News-based Trading: Mastered real-world market simulation, excelling in rapid, news-based trading decisions under intense competition, showcasing our adaptability and strategic foresight.

Projects

AdvisorU (Python, RAG, LangChain, Streamlit, MySQL)   Oakland, California
GitHub Link: `https://github.com/AdvisorU`   Mar. 2024 – Mar. 2024

- Spearheaded the integration of RAG with Pinecone and LangChain to vectorize and query from over 120 courses from Khoury College, enhancing response times by 30%.
- Developed a Streamlit-based admin dashboard, enabling efficient data management, coupled with a server-side MySQL database for structured data storage, resulting in a 50% efficiency and enhancing the user experience.

MyVisaJobs 2023 Crawler (Python, Streamlit, beautiful-soup)   London, United Kingdom
GitHub Link: `https://github.com/kailinxGitHub/MyVisaJobs_2023_Crawler`   Apr 2023 – Aug 2023

- Developed a Python web crawler to extract and analyze university Visa data from myvisajobs.com, aiding my personal selection of colleges.
- Note: Crawling activity was endorsed by MyVisaJobs's robots.txt file.

Company-Specific Twitter Financial Data Analysis Tool (Python, Streamlit, API)   Warsaw, Poland
GitHub Link: `https://github.com/kailinxGitHub/SmarterTomorrow`   May 2022 – Jan 2023

- Automated sentiment analysis of a large dataset of tweets in Python with an API algorithm with a 20% boost in efficiency compared to a referenced algorithm.
- Utilized sentiment analysis and trained machine learning models to predict future trends with an accuracy of 90%.

Experience

Tradeable - Northeastern University London   London, United Kingdom
Software Engineer (Python, SQL, Git, Cloudflare, Firebase)   Sep. 2023 – Dec. 2023

- Led a team in implementing and managing backend, ensuring robust data management and secure, real-time updates, fostering a reliable platform for 200+ student users.
- Conducted 50+ comprehensive unit testing throughout the development phase, identifying and fixing bugs and ensuring the platform's functionality and reliability.

iKALA   Haikou, Hainan, China
Software Engineer Intern (WXML, WXSS, JavaScript)   Apr. 2023 – Jun. 2023

- Delivered a stylist prototype of a WeChat Mini Program with secure payment gateway integrations.
- Restructured and redesigned the app to align with the cultural norms of Mainland China, enhancing user experience.