

Kailin Xing

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Summary

Extremely motivated, hard-working, and diverse first-year undergraduate Chinese student from Poland pursuing Computer Science at Northeastern University. Initiated and involved in a number of projects for personal and academic purposes, and often emerged as a leader through a team-centric approach to engineering competencies. Seeking a Internship to develop my technical skills further, gain real-world engineering experience.

Relevant Skills and Activities

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

Education

Northeastern University

Bachelor of Science, Computer Science and Mathematics Combined Major

Boston, Massachusetts

Sep. 2023 – May 2027

- GPA: 3.8/4.0
- **Relevant Coursework:** Fundamentals of Computer Science 2 (Java), Database Design (SQLite, MySQL), Mathematics of Data Models (Machine Learning), Fundamentals of Computer Science 1 (Kotlin), Discrete Structures
- **Activities:** Undergraduate Research Club, Founding Member of Northeastern London FinTech Society
- Hackathons: Hacklytics 2024 (Georgia Institute of Technology), Pawhacks 1.0 (Northeastern U Oakland)

CodePath

Intro to Software Engineering

Remote

Jun. 2023 – Aug. 2023

- Solidified the foundation and intermediate algorithms in Python through weekly lectures and engaged in team-oriented activities such as pair programming and interactive sessions with peers.

American School of Warsaw

International Baccalaureate Diploma Programme - IBDP

Warsaw, Poland

Aug 2021 – May 2023

- Relevant Coursework: Computer Science Higher Level, Mathematics Analysis & Approaches Higher Level

Experience

Tradeable - Northeastern University London

Software Engineer

London, United Kingdom

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.

Projects

AdvisorU

GitHub Link: <https://github.com/AdvisorU>

Oakland, California

Mar. 2024 – Current

- 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

GitHub Link: https://github.com/kailinxGitHub/MyVisaJobs_2023_Crawler

London, United Kingdom

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

GitHub Link: <https://github.com/kailinxGitHub/SmarterTomorrow>

Warsaw, Poland

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%.