Leo Lu

Undergraduate, Aspiring Software Engineer ● 346-702-6927 ● ll865@cornell.edu ● **Website:** leo-lu.com

Summary

- A Cornell University CS major with a stellar GPA of 4.06 seeking a Software Engineer position
- Has considerable experience with ML frameworks and programming principles from Cornell's NLP lab
- Demonstrated considerable communicative skills working as an ML TA for four semesters in a team of 50
- Experienced in various frontend frameworks/languages from working on several unique projects

Education

Cornell University *Bachelors of Engineering, Major - Computer Science*
GPA: 4.06 *8/2022 - 5/2025*

ML Coursework – Machine Learning, Reinforcement Learning, Language and Info Processing, Linear Algebra
Misc. Coursework – Unix Scripting, Algorithms, Data Visualization, Operating Systems, Data Structures and OOP

Work Experience

Research Assistant, Cornell University NLP Lab June 2024 - Aug 2024
PI: Dr. Claire Cardie (h-index 82)

- Utilized n8n to build an AI-Agent workflow that automatically processes long-form text using a Llama LLM
- Encoded the rubric using qdrant, enabling the model to access it during Retrieval Augmented Generation (RAG)
- Processed over 1200 machine-generated documents, contributing to ongoing improvements in NLP research

Teaching Assistant, Machine Learning Course Aug 2023 - Present
Employer: Cornell University

- Taught as senior course staff where students were methodically instructed on PyTorch, Python, and mathematics
- Held office hours for four different semesters, each of which had a diverse class of over 400 students
- Collaborated effectively with a team of approximately 50 members, including professors and other course staff

Project Experience

Full-Stack Programmer Jan 2024-May 2024
Open-Source Project

- Developed an app-recommendation website in Python that ran as a Docker container image on Cornell servers
- Created and implemented critical front-end search components of the website using HTML, JS, and CSS
- Designed the query-vectorization system used to calculate similarity scores and recommend potential apps

Full-Stack Programmer Aug 2023-Dec 2023
Open-Source Project

- Created an application to process and display real-time data from the S&P 500 using the Yahoo Finance API
- Implemented frontend/backend features in agile of a mock stock trading app using OCaml and Python
- Developed the app's file saving/writing capabilities, in addition to general GUI functionality and user experience

Lead Developer Sep 2023 - Dec 2023
Personal Project

- Designed a GUI using the Python library tkinter to interface with the Monster Siren API for music downloads
- Utilized the Python libraries requests to pull REST calls for music retrieval and playback from the API

Skills

CS Languages/Frameworks: Python, PyTorch, Java, C++, SQL, React JS, HTML, JavaScript (d3js, three.js), CSS
Soft Skills: Communication, Time-Management, Creativity, Critical-Thinking, Organization, Prioritization Skills
Developer Tools: GitHub, IntelliJ, Vim, Visual Studio Code, Docker, Figma, Latex, Eclipse, NodeJS