Shuwen Liu

Contact Information	**Email**: lancasterliu@berkeley.edu **Phone**: (+1) 510 816 2188 **Linkedin**: https://www.linkedin.com/in/lancasterliu/

Research Interests

Natural language process: question answering system, pre-trained model, sentiment classification, speech recognition; knowledge graph; Computer vision: object detection, multi-modal

Education

Chongqing University, Chongqing, China
Bachelor of Science, Computer Science, Expected June 2024
GPA: 3.5 / 4.0 , *Relevant Coursework*: Database Systems | Fundamentals of Information Security | Compilers Principles | Operating Systems | Computer Networks | Computer Composition Principle & Computer Architecture | Probability & Mathematical Statistics | Data Structure & Design and Analysis of Algorithms | Linear Algebra | Discrete Mathematics | Digital Logic

University of California, Berkeley, CA, USA
Visiting undergraduate student, Expected May 2024

Research Experience

National Natural Science Foundation Project, Chongqing University

Project member   **June 2021 - December 2023**

As the core member of this project, I helped our team apply for a patent and a software copyright through designing and improving the algorithms of image recognition, information correction and other algorithms we need in this project. At the same time, as the document manager, I help construct a perfect technical and non-technical documents system in this project using some useful document managing tools. such as Git.

Academic Experience

Chongqing University, Chongqing, China

peer lecturer   **October 2022 - June 2023**

Teaching experience: serving as a peer lecturer in high-achieving students studio, mainly for algorithms and programming language such as python, c++.

Work Experience

China Mobile, remote, China

Research Intern   **July 2023 - August 2023**

As the algorithm researcher, I help our team implement a text image retrieval system based on multimodal large model through database investigation, model fine-tune.

China Electronics Cloud, Chongqing, China

SDE Intern, back end   **June 2023 - July 2023**

As the back-end software engineer whose main charge is to support the big data module, I help our team complete a user fine operation system through doing market research, building data architecture, carrying out data mining, and providing visual data support for software development.

Chinasoft International, Chongqing, China

SDE Intern, front end   **June 2022 - July 2022**

As the front-end software engineer, I help our team complete a voice technology bar application of face feature value recognition and speech synthesis under Android environment with Vue through doing market research, finishing user portraits, designing Prototype and finishing most of the code. At the same time, I also help our team to work as a professional enterprise department by working with scrum theory and professional schemes.

Honors and Awards	Mathematical Contest in Modelling. Meritorious Winner, 2023
	National central government. National Encouragement Scholarship, 2022
	Chongqing University. Chongqing University Outstanding Student, 2021
	National Ministry of Education, Tianti Programming Contest. Provincial second prize, 2021
	Undergraduate Mathematical Contest in Modeling. Provincial second prize, 2021

Volunteer Service

I am enthusiastic about public welfare undertakings and have participated in volunteer activities for many times. During the three years of university, I volunteered for 434 hours and participated in 30+ volunteer times. I volunteered to teach in remote mountainous areas many times as well.

Skills & Languages

Computer Skills:

- Programming languages: Python, C/C++, Vue, Java and JavaScript.
- Operating Systems: Windows, UNIX/Linux.
- Machine learning and deep learning especially in NLP.

Soft Skills:

Self-motivated, naturally curious, active cooperation attitude, able to turn feedback into action

Languages:

- Chinese (native)
- English (fluent)