Xiaojie Zhou

tonyzhouzxj@gmail.com | linkedin.com/in/xiaojie-zhou/ | github.com/xiaojie-zhou | web.cs.ucla.edu/~xiaojiez6

Education

University of California - Los Angeles   *September 2023 - March 2025*
Master's, Computer Science
- Machine Learning
- IoT
- Cloud Computing
- Computer Systems Architecture

University of California - Irvine   *September 2019 - March 2023*
Bachelor's, Computer Science   *GPA: 3.71*
- Algorithms
- Data Structure
- Network
- Computer Organization
- Web Development
- Human-Computer Interaction

Professional Experience

University of California - Los Angeles   **Los Angeles, CA, USA**
Computer Science Grader   *April 2024 - Present*
- Evaluated and graded student assignments and exams for the CS 144 course, focusing on web development and programming.
- Recognized by students and faculty for providing exceptional feedback and support.
- Collaborated with instructors to develop grading rubrics and ensure consistent assessment standards.
- Contributed to maintaining the course's online resources and forums to facilitate student engagement and collaboration.

Intco Medical Industries Inc.   **Ontario, CA, USA**
Intern   *June 2020 - September 2021*
- Wrote scripts to automate the reconciliation of tens of thousands of statements and invoices and made payments to various vendors without mistakes.
- Set up a digital time card system, updated the payroll system, and integrated with the accounting system.
- Troubleshoot tech-related issues of varying complexity through deskside support.
- Set up new accounts for new employees and deployed desktops and office equipment.

Projects & Outside Experience

Software Designer – INF 121   **Irvine, CA, USA**
Product Designer   *September 2021 - December 2021*
- Designed a software system that could record and redistribute a large amount of left-over food to
- organizations in need
- Analyzed the requirements for the system by interviewing users and stakeholders
- Created ER diagram and UML diagram using Figma and Draw.io
- Adapted agile model for the designing process

Overall Evaluation   **Shanghai, China**
Full Stack Developer   *October 2017 - September 2018*
- Built an Android application that helps K-12 teachers evaluate students more conveniently and
- effectively.
- Implemented QR code recognition function with an open-source library.
- Implemented MySQL to store data, encrypt sensitive information, and control access.
- Published a paper (in Chinese) on Digital Communication World (2018.09)

Information Retrieval – CS 121   **Irvine, CA, USA**
Project Leader   *September 2021 - December 2021*
- Built a search engine from scratch that can process tens of thousands of Web pages under harsh
- hardware and network constraints and have a query response time under 300ms.

- Implemented crawler to download web pages with politeness and efficiently indexed them with
- tokenizer, stemmer, HashMap, and partial index.
- Implemented tf-idf ranking when processing queries to give the most relevant results.
- Balanced memory usage and efficiency by offloading the index multiple times and combining
- them afterward.
- Using a hierarchical index to boost the search process.

Image to Text for Screen Reader – INF 131   **Irvine, CA, USA**
Project Manager   *September 2022 - December 2022*
- Used python and incorporated Google's Vision AI cloud service into my prototype to process
- images.
- Users can upload images, and text descriptions will be returned within seconds.
- Trying to integrate it with the screen reader software to automate the process that maximizes
- convenience.

E-Commerce Full Stack Website Developer – CS 122B   **Irvine, CA, USA**
Full Stack Developer   *March 2022 - June 2023*
- Built a film purchasing website using Java Spring for the backend and React for the front end.
- Implemented all the endpoints for server response using Restful APIs.
- Built mobile application interface using React Native.

Website Supporting Hand Gesture Control – INF 131   **Irvine, CA, USA**
Front end Developer   *January 2023 - Present*
- Built a custom music player website using Spotify APIs.
- Implemented the hand gesture recognition feature.
- Allow users to navigate through the website without using a mouse.

Skills

Skills: Java, MySQL, JavaScript, TypeScript, React.js, AngularJS, Linux/Unix, Data Structures & Algorithms, React Native, Git, HTML/CSS, Web Development, Python, Agile, AWS, Bash, C/C++, Computer Networking, Figma, Firebase, Ionic, jQuery, Jupyter, Kotlin, Maven, MongoDB, Natural Language Processing (NLP), Node.js, NumPy, OpenGL, Pandas, PowerShell, Product Management, Python NLTK, Quickbooks, R, RDBMS, REST APIs
Languages: Chinese, Mandarin, English