

Lunxiao (Claude) Li

(408)-439-2159 | llxclaude126@gmail.com | LinkedIn: Lunxiao Li | GitHub: Claude216

EDUCATION

University of California, Santa Cruz

September 2021 - March 2023

Bachelor of Science

Major: Computer Science

GPA: 3.79/4.0

Relevant Coursework: Artificial Intelligence, Machine Learning and Data Mining,
Applied Machine Learning: Deep Learning, Probability Theory,
Analysis of Algorithms, Database Systems

Mission College, Santa Clara

January 2020 - May 2021

Associate in Science

Major: Computer Information Systems

GPA: 3.96/4.0

HONORS & AWARDS

Dean's List

Fall 2022, Spring 2022, Fall 2021

University of California, Santa Cruz

Dean's List

Spring 2021, Fall 2020, Spring 2020

Mission College

EXPERIENCE

Software Engineer Intern

Vianai Systems Inc - Palo Alto, CA

May 2023 - December 2023

- **Advanced Data Generation for AI Training:** Spearheaded the generation of over 2 million high-quality query-SQL pairs, a foundational dataset for fine-tuning Text2SQL models.
- **LLM-Integrated Data Validation:** Designed and implemented a robust data validation tool leveraging Large Language Models (LLMs) in Python, improving data integrity through automated error detection and correction.
- **Cross-Platform Data Pipeline Development:** Built an efficient data pipeline integrated for preprocessing of text data with Elastic Search, enabling seamless cross-platform data transfer and enhancing search functionalities.
- **ChatGPT Enhanced Data Analysis:** Conducted extensive prompt engineering using ChatGPT's API to optimize survey data analysis, directly improving analytical precision and enhancing decision-making workflows for business and financial services.
- **AI Application Leadership:** Led the development of an AI-driven survey analysis application, transforming complex data into actionable insights, thereby expanding accessibility for both analysts and non-technical users.
- **Full-Cycle Project Management:** Directed comprehensive project life cycles from market research to deployment, consistently delivering projects ahead of deadlines while surpassing quality and performance metrics.
- **Collaborative Leadership:** Demonstrated leadership and adaptability across multidisciplinary teams, contributing to successful project outcomes and fostering cross-functional collaboration in AI and software development.

Academic Tutor

University of California, Santa Cruz - Santa Cruz, CA

January 2023 - March 2023

- **Collaborative Pedagogical Innovation:** Worked closely with the professor and fellow tutors to tailor tutoring methodologies, leveraging deep course expertise to address individual student needs, leading to a 20% improvement in student evaluations.

- **Enhanced Comprehension of Complex Concepts:** Simplified challenging course material to improve student understanding, encouraging further exploration and fostering greater engagement with advanced topics.
- **Recognized Academic Support in Class:** Provided expert tutoring for the course Computational Models, receiving commendations for exceptional academic guidance and fostering student success.

PROJECTS

Chiplet Thermal Agile Design

September 2024 - Present

- Collaborating with a peer to work on optimizing optimal chiplet layout design based on the thermal effect using machine learning technique.
- Using multiple models together to explore and interpret the temperature decay trends on the chipboard for a more reliable and faster temperature prediction.
- Training a **Gradient Boosting model** to replace the temperature result of simulating chiplet board running to increase the efficiency
- Utilizing an **Adaptive Genetic Algorithm** to update the chiplet layout design for the optimal efficacy iteratively

Allergy Reminder

February 2023

- Led a team of four to build a web application to help students avoid their allergens in school dining halls.
- Spearheaded the development of a web application during CruzHacks 2023, a 36-hour hackathon, using **Python**, **Flask**, and **PostgreSQL** for server-side development, and **JavaScript** and **React.js** for client-side development.
- Employed **Postman** for rigorous API testing and **Git** for version control.
- Ensured a seamless deployment of a fully functional product with **PythonAnywhere**.

The Good Plates

April 2022 – June 2022

- Designed and built a restaurant recommendation website offering users interactive recommendations.
- Managed the development progress and collaborated with five teammates as the **Scrum Master**.
- Designed and implemented user-friendly UI with **React.js**.
- Implemented and integrated functions like search and filter with **Yelp API** as the data source.

SKILLS

Strong: *Python, Django, Flask, PostgreSQL, Elastic Search, React.js, GCP, Numpy, Pandas, Prompt Engineering, OpenAI API, Postman, Docker, Kubernetes, Microsoft Applications.*

Experienced: *Java, JavaScript, C++, Rust, MySQL, Tensorflow, Sklearn, Keras, PyTorch, Linux/UNIX.*