Jadon Zhu

(310) 897-9175 | jadonjzhu@gmail.com | Los Angeles, California | jadonzhu.com

OBJECTIVE: Passionate applied mathematics student looking for an impactful engineering position.

EDUCATION

University of California, Los Angeles (UCLA)   **Los Angeles, CA**
Bachelor of Science, Applied Mathematics   *Expected June 2027*
- **GPA:** 3.97

Walnut High School   **Walnut, CA**
High School Diploma, International Baccalaureate Certificate   *May 2023*
- **Valedictorian**
- **GPA:** 4.0

SKILLS

Large Language Models, Machine Learning, Python, C/C++, Linux,, Shell Script, Go, JavaScript, Visual Studio Code, Xcode, Dart, Flutter, R

EXPERIENCES

Embedded Firmware Development and Test Engineering Intern   **Los Angeles, CA**
Motorola Solutions   *Jun 2025 - Aug 2025*
- Automated using large-language models and Python the documentation of over 300 JSON-RPC Application Programming Interface methods
- Developed programmatic input validation using Golang to fortify insecure legacy C API
- Configured Docker containers to establish consistent environment for compilation of embedded firmware
- Integrated memory-safe parsing functions into legacy C program using CGo in a cross-compilation environment

Programmer   **Los Angeles, CA**
UCLA Fiat Ludum Game Jam   *April 2025*
- Developed award-winning game with unique minigame mechanics
- Won over $6000 in prize value as apart of the UCLA Fiat Ludum Game Jam
- Designed compelling story as background lore for game

Machine Learning Analyst   **Los Angeles, CA**
X. William Yang Lab at UCLA Semel Institute for Neuroscience and Human Behavior *Nov 2023 - Jan 2025*
- Trained cutting-edge convolutional neural network (CNN) to segment 3-D images of mouse brain neurons.
- Developed Python scripts as plugins to ImageJ to automate efficient 3-D image processing.
- Reconstructed manually 3-D images of neurons using digital imaging software Neutube.
- Selected to present research findings at UCLA Undergraduate Research Week.

CERTIFICATIONS

Machine Learning with Python | *Udemy*   **Jul 2022**
Scientific Computing with Python | *freeCodeCamp*   **Jun 2022**
Data Analysis with Python | *freeCodeCamp*   **May 2022**

REFERENCES

Ajit Warrier • *Director of Software Engineering @ Silvus, a Motorola Solutions Company*
ajit.warrier@silvustechnologies.com
Masood Akram • *Postdoctoral Scholar, X. William Yang Lab at UCLA Semel Institute*
MasoodAkram@mednet.ucla.edu
Saanchi Shah • Teaching Assistant, University of California, Los Angeles • sshah15@ucla.edu