

Career Objective

Resourceful and technically skilled Computer Engineering student with a foundation in software development, machine learning, and embedded systems. Experienced in full-stack development with Python, React Native, Flask, and SQL. Contributed to NASA-led initiatives in mission design and proposal development. Seeking real-world software engineering opportunities that leverage practical coding skills and systems thinking.

EDUCATION

San Jose State University, San Jose, CA

B.S. Computer Engineering, Minor in Computer Science

Expected 12/2025

GPA: 3.327/4.0

Las Positas College, Livermore, CA

A.S. Computer Science, Minor in Math

05/2022

GPA: 3.4/4.0

Technical Skills

Languages: C/C++, Python, JavaScript, SQL, HTML/CSS, Bash, MongoDB, React

ML/DL: PyTorch, TensorFlow, NumPy, Scikit-learn, Jupyter, CUDA, OpenCV

Embedded: Raspberry Pi CM4, FPGA (Verilog), LTspice, Oscilloscope, KiCad

Tools: Docker, VMware, SolidWorks, Office 365, Photoshop, Figma

IT/Hardware: BIOS Flashing, RAID, VPN config, NAS, Troubleshooting

OS: Linux, Windows, macOS

Work Experience

NASA Proposal Writing and Evaluation Experience

08/2024–12/2024

Computer Engineer

Remote

- Researched high-voltage battery systems and laser-based charging for long-term missions.
- Co-authored a proposal selected by NASA Marshall for its technical viability.
- Assisted with concept evaluations and early-stage prototyping for mission design.

NASA Mission Concept Academy

01/2024–08/2024

Program Analyst & Computer Engineer

Remote

- Contributed to a simulated lunar water retrieval mission's technical plan and milestone tracking.
- Used NASA cost tools to estimate project budgets and resource requirements.

Mountain Cascade, Inc.

03/2020–08/2023

IT Technician

Livermore, CA

- Delivered hardware/software support, RAID setup, BIOS flashing, and VPN maintenance.
- Maintained inventory and managed upgrades and troubleshooting for staff workstations.

Amber System Technology

04/2018–03/2020

Frontend Developer

Pleasanton, CA

- Designed UIs for POS systems and led front-end implementation for business tools.
- Built full-stack web apps improving workflows and long-term client operations.

Projects

FoodReal iOS App (React Native, Tailwind, Firebase)

In Progress

- Mobile app promoting food sharing via swipe-based UI; integrated Firebase backend.

Handheld Computer (C/C++, Linux, Raspberry Pi CM4)

In Progress

<ul style="list-style-type: none"> • Modular handheld built on custom Linux OS; performance-tuned for embedded use. 	
Note Hub Web App (Flask, SQLite, SQLAlchemy)	04/2023
<ul style="list-style-type: none"> • Notion-style note-taking platform with CRUD support and session management. 	
Neural Net Classifier (PyTorch, Raspberry Pi)	05/2025
<ul style="list-style-type: none"> • Gesture classifier using quantized PyTorch model with real-time webcam inference. 	

Certifications

NASA Mission Concept Academy – NASA L’SPACE	08/2024
NASA Proposal Writing Experience – NASA Space Marshall	12/2024
Google Foundations of Data Science – Google	07/2025
Google Get Started with Python – Google	07/2025
IT Technician: Components & Peripherals – LinkedIn Learning	06/2025