Aden James Calinisan

Lake Forest, CA · ajcalinisan@outlook.com · github.com/ajcalinisan · linkedin.com/in/aden-calinisan-915b431a1

My goal is an internship where I can contribute my time and learn job-specific skills directly from experienced professionals. I want to gain knowledge in developing optimal solutions that provide value to people.

EDUCATION

University of California, Irvine (GPA 3.828)   **December 2026**
Bachelor of Science, Computer Engineering
Florida State College at Jacksonville (GPA 4.000)   **May 2023**

SKILLS

- **Programming:** C, C++, Python, Java, Verilog HDL
- **Software:** Arduino IDE, Solidworks, Microsoft Office, MATLAB, OrcaSlicer

PROJECTS

Soccer Rover   **June 2025 – September 2025**
Developed for High School Robotics Camp at UC Irvine Samueli School of Engineering

The lead instructor of the camp entrusted me full control over the creation and subsequent teaching of an autonomous soccer rover that can push a wiffleball. I did my own research and built the project with Raspberry Pi 3, a laser cut chassis, and a camera module. I used Open CV for ball detection and used Python to code the rover's directional logic. By the end of the week, 28 students had their very own soccer rover to bring home. (See Github for more)

Optical Neural Network Research   **May 2025 – Present**
Shcherbakov Nanophotonics Lab at UC Irvine

Researching the translation of Convolutional Neural Networks from slower digital computation to a speed of light optical neural network using Spatial Light Modulation in a 4f System along with nonlinear optical responses.

Open Project Space   **September 2023 – June 2024**
IEEE extracurricular class at UC Irvine

In this class, I completed eight projects developing my soldering skills, microcontroller design, and embedded programming with Arduino IDE. I built a remote-controlled rover for my capstone with NRF24L01 radio, Arduino Nano, L293D Driver, and a custom PCB design.

Fitness Tracker   **January 2024 – April 2024**
Engineering 7B Class at UC Irvine

My team and I developed a wearable Fitness Tracker that counts the user's steps and flights of stairs climbed. The user interacts with the tracker via WiFi and the BlynkIoT phone app. I took direct leadership in soldering and assembling the watch's bus lines, accelerometer, barometer, battery, and WEMOS development board.

WORK EXPERIENCE

Barista & Finance | *Boba Bee, Lake Forest, CA*   **January 2024 – Present**
- Headed up catering events in Lake Forest, Lakewood, and Temecula
- Learned to communicate with event coordinators and delegate tasks to fellow baristas for efficient service
- Created quarterly financial reports for 4 Boba Bee locations cutting accounting fees by 80%

Finances for Turo Business | *KayCal Ventures LLC, Jacksonville, FL*   **July 2024 – November 2024**
- Assisted the #2 Turo host worldwide (by fleet size and earnings) with payroll at *RentNiceCars.com*.
- Reduced payroll processing time by 75% for 14 virtual assistants using Microsoft Excel.

Electrical Engineering Internship | *The Haskell Company, Jacksonville, FL*   **June 2022 – July 2022**
- Learned professional engineering communication, asking for help, and presenting professionally.
- Gained exposure to electrical design and project documentation for commercial buildings

Personal Activities: Piano, Tennis, Biking, Volunteering at Church, Raspberry Pi Tinkering