Alyssa Tadeo

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EDUCATION

University of California, Los Angeles — Los Angeles, CA
Bachelor of Science in Computer Science and Engineering — *Expected Graduation June 2024*
- Coursework: Computer Science, Computer Architecture, Electronic Circuit Design, Logic of Design and Digital Systems, Signals and Systems, Multi-variable Calculus, Differential Equations, Linear Algebra, Physics (Mechanics, Waves)

TECHNICAL SKILLS

Languages: C++, Matlab, SCPI GPIB, Python, Javascript, React Native, HTML, CSS, Verilog
Software: VS Code, Xcode, Git, Microsoft Office, Google Suite, Photoshop, Illustrator, Premiere Pro
Operating Systems: MacOS, Windows, Linux

EXPERIENCE

Software Developer — August 2021 – Present
Amkom Design Inc. — *Vista, CA*
- Hired on after summer internship for satellite communications company leading the SATCOM and VSAT markets in amplifier and up-converter technologies
- Corresponded between engineers and project-lead to develop Matlab program for simple and efficient automated product testing
- Specialized in Keysight Connection Expert, Matlab Instrument Control Toolbox, SCPI GPIB, and instruments such as Aligent Signal Generator, Aligent Power Meter, and HP Signal Analyzer
- Shadowed electrical engineers and RF engineers in professional research and development

EXTRACURRICULAR ACTIVITIES

IEEE, UCLA Student Chapter — October 2020 – Present
General Member
- Open Project Space (2020-21): worked with Arduino to learn about breadboarding, programming microcontrollers,wired/wireless communication, PCB Design, and PID control
- Micromouse (2021-22): developed "mouse" to solve a maze autonomously, gaining skills in designingschematics, microcontrollers, and writing firmware
- Attended computer science and electronics workshops, in addition to Alumni Spotlight events with professionals from Disney Imagineering and Northrop Grumman

ACM, UCLA Student Chapter — January 2022 – Present
General Member
- Competed in 9th annual 12 hour long "Hack On the Hill" Hackathon on the team developing the mobile app "Wok Walk": a step-counting mobile app that encourages fitness by unlocking healthy cooking recipes at step milestones
- Responsible for "Wok Walk" development in implementing screen navigation using React Native Navigation API, research in Google Maps and Apple Health Kit API's, and Javascript/CSS animations
- Solved algorithm and data structure problems in the International Collegiate Programming Contest (ICPC) weekly programming workshops

Society of Women Engineers, UCLA Student Chapter — October 2020 – Present
General Member
- Attended general meetings, workshops, and participated in the summer mentorship program

Alpha Gamma Delta, Delta Epsilon Chapter — October 2020 – Present
Director of Communications
- Coordinates all internal chapter communication (chapter-wide calendar, newsletters, Quarterly report) and providing information to alumnae chapter
- Volunteered at sorority's annual event "Mac n' Cheese with AGD's", Los Angeles Food Bank, and virtual call bank for our chapter's philanthropy: food insecurity