

Education	University of California, Los Angeles B.S. Computer Science, GPA: 3.602	Anticipated June 2023
Technical Skills	Languages: Python, C/C++, SQL, JavaScript, Bash, C# Technologies: Linux, MySQL, React.js, Git, Arduino, Unity	
Professional Experience	The Aerospace Corporation - Technical Intern <ul style="list-style-type: none">- Supported the Visualization and Immersive Technologies Dept. (VITD), creating animations, AR/VR experiences, visualization software, and Unity/web apps for the space enterprise- Introduced a Flask RESTful API backend service and web app interface for astronomical time system translations using Earth Orientation Parameters data from MySQL database- Designed and implemented a portfolio website using React.js to centralize information about department news, projects, capabilities, and contact information- Improved an on-campus touchless video wall application using Unity game engine and C# scripts to display PDFs, local webpages, and an interactive calendar	Jun 2021—Sep 2021
Practical Experience	UCLA IEEE (Institute of Electrical and Electronics Engineers) <ul style="list-style-type: none">- Strengthened practical programming skills in embedded systems and electrical engineering projects through Micromouse and OPS (Open Project Space)- Collaborated with 2 teammates to build an autonomous maze-solving robot. Developed data structures in C to record maze environment, robot positioning, and calculate Manhattan distances in order to implement flood fill algorithm- Coded a “Red Light, Green Light” game between 2 Arduinos with UART. Transcribed full-length piano pieces/pop songs into code for an 8-bit Arduino music player	Sep 2019—Present
Projects	Tu.Can - Instant Messaging Web Application <ul style="list-style-type: none">- Collaborated with 4 peers to program a real-time web application using MERN stack- Built frontend components for login page, registration page, and various color themes- Designed document schemas for accessing/storing user, chatroom, and messaging data- Implemented API routes for client-side triggered events to update MongoDB using Express TI-RSLK - Autonomous Line-Following CarMori - Arduino Memory Game	Jan 2021—March 2021May 2020May 2020