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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 Technologies: Linux, MySQL, React.js, Git, Arduino, Unity	
Professional Experience	 The Aerospace Corporation - Technical Intern Supported the Visualization and Immersive Technologies Dept. (AR/VR experiences, visualization software, and Unity/web apps Introduced a Flask RESTful API backend service and web app into time system translations using Earth Orientation Parameters dat Designed and implemented a portfolio website using React.js to about department news, projects, capabilities, and contact info Improved an on-campus touchless video wall application using U scripts to display PDFs, local webpages, and an interactive caler 	for the space enterprise erface for astronomical a from MySQL database centralize information rmation nity game engine and C#
Practical Experience	 UCLA IEEE (Institute of Electrical and Electronics Engineers) Strengthened practical programming skills in embedded system engineering projects through Micromouse and OPS (Open Project Collaborated with 2 teammates to build an autonomous maze-stata structures in C to record maze environment, robot position Manhattan distances in order to implement flood fill algorithm Coded a "Red Light, Green Light" game between 2 Arduinos with length piano pieces/pop songs into code for an 8-bit Arduino mental code. 	ct Space) olving robot. Developed ning, and calculate th UART. Transcribed full-
Projects	Tu.Can - Instant Messaging Web Application	Jan 2021—March 2021

Projects

Tu.Can - Instant Messaging Web Application

Jan 2021—March 2021

- 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 Car

May 2020

- Programmed PID feedback loop in C++ for TI-RSLK robot to follow 2 arbitrary paths
- Conducted sensor fusion with test data in Excel to normalize 8 IR sensors for continuously recording robot positioning, allowing for precise and instant adjustments along the path
- Scored fastest overall completion time across all paths in a 20-person lab section

Mori - Arduino Memory Game

May 2020

- Built a memory game in Arduino/C++ by flashing strings of numbers in the console
- Programmed logic to track game state, player reaction times, and overall score
- Devised customizable settings for string length, memorizing time, and game length
- Plotted in Python to visualize relationships between game settings and player performance