

Paige Larson

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Education

University of California, Los Angeles
B.S. in Computer Science and Engineering

Los Angeles, CA
September 2021 - Expected June 2025

- Relevant Coursework: Algorithms, OS, Programming Languages, Computer Architecture, Circuits, Systems and Signals

Professional Experience

Stellantis

Auburn Hills, MI

SWE Electrical Hardware Engineering Intern - CIAP

June 2024 - September 2024

- Assumed Speaker Design Release Engineer responsibilities, including utilizing Vector CANbus to investigate, diagnose, and resolve root cause issues in vehicle hardware and software systems
- Developed program to extract part information from databases and locate 300+ components in NX/Teamcenter CAD models
- Conducted benchmarking analyses on audio and peripheral in 14+ vehicles, providing actionable data for part development

Baker Hughes

Houston, TX

Cybersecurity Software Engineering Intern - Security Operations Engineering Team

June 2023 - September 2023

- Streamlined and automated BeyondTrust PRA through the development of scripts and integration of the BeyondTrust API
- Wrote and tested XSOAR API integration to pull leaked user login information from data packages then force password reset
- Effectively managed 10+ devices and sensors across 3 continents using the Microsoft Defender for IoT platform
- Implemented and maintained controlled access to sensors and devices utilizing BeyondTrust Privileged Remote Access

UCLA Henry Samueli School of Engineering

Los Angeles, CA

Engineering 96A Drones Instructor and Curriculum Developer

December 2022 - Present

- Develop curriculum to teach the principles of drone flight and guide students in designing, prototyping, testing, and flying their own project drones, as well as introduce standard operating procedure for 3D printing, soldering, and laser cutting
- Research and present options for flight components and manufacturing techniques
- Create and implement lab safety procedures to minimize risk when working with hardware and electrical components

Technical Experience

- Bruin Racing Baja SAE
 - Director 24-25 | Electronics/Controls Lead 23-24 | Data Acquisition Project Engineer 22-23 | General Member 21-22
 - Development, testing, and tuning of feedback and feedforward controls system in M21, M22, and M23 cars
 - Collection and processing of sensor data for validation of design and R&D advancement
- Unmanned Aerial Systems at UCLA
 - AUVSI Competition - Flight Programming
 - Coding object recognition and waypoint navigation for '22 competition
- Society of Women in Engineering

Skills

- Experienced in Programming - Python, C/C++, Java, JavaScript, HTML/CSS, Linux, Git, REST APIs, FPGA
- Exceptional problem solver & creative thinker with a full stack approach to systems operations
- Knowledge of CAD, PCB Design, and Microsoft Apps as well as 3D Printing and Laser Cutting

Personal Project Highlights

- 20+ games and projects, including hangman, binary sort/search machine, snake, and ping-pong in Python; code to be comprehended by children 10+
- Arithmetic parser in Java
- Multiple Websites in Javascript & HTML/CSS
- Raspberry Pi controlled mechanical keyboard
- Electrical design and management of multiple FRC robotic systems

Awards and Honors

2020 Award for Aspirations in Computing - *National Honorable Mention*
National Center for Women and Information Technology