

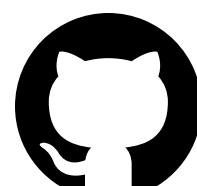
Liam Walker



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EDUCATION

MiraCosta Community College

Feb 2025 - Present

Mathematics

Fullerton, CA

- Computer Science for transfer
- Relevant Coursework: Math 265 (Differential Equations), CS226 (Discrete Structures),
- CS 113 (Data Structures). CS 150 (Intro to C++). PHYS 151 (Phvsics 1)

MiraCosta Community College

June 2022 - Present

Mathematics

Fullerton, CA

- High school community college concurrent enrollment.
- Relevant Coursework:** Math 260 (Calculus and Analytical Geometry III) & 265 (Differential Equations)

Sage Creek High School

September 2020 - June 2024

Computer Science and Engineering

Fullerton, CA

- Relevant Coursework:** Computer Science course equivalent to CPSC 223J (Introduction to Computer Science I: Java), Project Lead the
- Way's Engineering Pathway

SKILLS

- Languages: Java, Python, HTML/CSS, JavaScript
- Frameworks: React, Node.js, Git/GitHub Developer
- Tools: VSCode, Linux, Figma, Adobe Creative Suite

EXPERIENCE

Software Engineer Internship

November 2023 – Aug 2024

Epik Systems · Part-time

Carlsbad, CA

- Designed clients websites with JavaScript (React) and Wordpress.
- UX and UI design for the companies AI product using Figma.
- Designed and improved the companies AI product website.
- Provided feedback for companies AI product user experience.
- Collaborated with software staff.

Quality Control Specialist

May 2023 - October 2023

Shoreline Electronics · Part-time

Carlsbad, CA

- Conducted quality assurance testing on products to guarantee functionality.
- Packaged and prepared orders to ship.

PROJECTS

Digital Porfolio (Website)

Jan 2023 – Present

- Personal website showcasing key projects (robotics, stove solutions initiative, photography).
- Gained experience in website deployment and web design through Wordpress.
- Migrated static HTML pages from WordPress to GitHub Pages for improved speed, performance, and reliability.
- Dynamic, regularly updated platform highlighting technical and creative growth.

Stove Solutions

- Developed a sensor-based system for an engineering class project that automatically detects gas leaks and shuts off stoves with app-based monitoring. Control through Arduino and an Android Device.
- Gained experience in designing and building mechanical and sensor-based systems.
- Strengthened problem-solving and brainstorming skills.
- Increased understanding of safety standards and technology integration.
- Learned to integrate app-based monitoring and control features.
- Applied the engineering design process for iterative development and testing.
- Gained project management and presentation skills.

August 2023 - February 2024

Sage Creek Genius Project

- Created digital badges for student pathways in computer science, engineering, photography, and biomed to motivate educational advancement.
- Managed the badge development and implementation process.
- Presented the project to school leaders and at conferences and enhanced my communication and presentation skills for effective advocacy.
- Designed badges using Adobe Illustrator.

September 2022 - January 2024

EXTRACURRICULAR

Controls UI Member | Titan Rover Robotics Club

- Update rover’s control system, attend weekly workshops to implement continuous improvement.
- Designing, creating, and implementing the user interface for controlling the rover.
- Update and maintain Titan Rover’s website and create promotional material for clubs events.

August 2024 – May 2025

Software Lead | Crow Force High School Robotics Club

- Managed the Crow Force software team.
- Taught new members Java and First Tech Challenge (FTC) code libraries.
- Developed code designed to obtain as many points as possible in competition.

July 2020 – June 2024

VOLUNTEERING

Digital Libraries Project

- Developed a semi-automated process to parse bibliographic data for the library institutional repository project at California State University, Office of the Chancellor.
- Enhanced skills in data parsing and automation.
- Contributed to educational technology projects for K-12 teacher preparation and CSU faculty development.
- Worked within a team focused on improving library systems.
- Addressed challenges in managing bibliographic data efficiently.

June 2022 - August 2022

Summer Reading Program

- As part of the Summer Reading Program I helped encourage children to read by serving as one of the volunteers, at Dove Library, who children would report to and talk about the books they were reading.

June 2021 - August 2022