

Jonah Bedouch

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EDUCATION

University of California, Berkeley

Bachelors of Science, Electrical Engineering and Computer Science

Relevant Coursework: CS61a (The Structure & Interpretation of Programs), CS61b (Data Structures & Algorithms), EECS 16a (Designing Information Devices and Systems I)

Berkeley, CA

Expected Graduation: May 2026

Clovis North High School

Graduated Top 10; Cumulative Weighted GPA 4.74

Relevant Coursework: AP Computer Science Principles, AP Computer Science A

Fresno, CA

August 2018 - June 2022

SKILLS

Programming: Vue 3, Svelte, TypeScript / JavaScript, Python, Java

Technologies: Node.js, Git, Firebase, Linux, MongoDB

EXPERIENCE

Leap XR, LLC

Cofounder and Full Stack Developer

Fresno, CA

December 2019 - Present

- Develop a teacher dashboard used to view student data and as an aid in administering lessons and starting virtual experiences using VueJS and Tailwind CSS
- Implement websocket-based networking and a Node.js backend server to facilitate communication between Virtual Reality headsets, a Web Dashboard, and a MongoDB database

Robert Bosch, LLC

Research Intern, GS/PEO - Nevonex

Sunnyvale, CA

October 2022 - March 2022

- Redesigned User Interface for Nevonex Features to maximize usability by improving layout and standardizing control structure
- Modernized existing frontend using VueJS to improve efficiency, maintainability, and extensibility
- Integrate JQuery codebase into VueJS context

Stable Circuits Robotics

Programming Team Lead

Fresno, CA

August 2021 - June 2022

- Programmed drivetrain, shooter, and control scheme functionality for competition robot and made real time adjustments to the codebase during competition to maximize points earned across 28 matches
- Modernized scouting application to allow team members to collect and centrally store over 300 data entries in real time at competition without internet access

Scouting Team Lead

August 2018 - June 2019

- Designed a web application using Bootstrap and jQuery which enabled team members to collect over 200 entries of data on competitors' robot performance in real time during matches at competition.
- Analyzed data to identify a pick list of about 10 robots best suited to compete alongside the team's robot

PROJECTS

Bedouch.net

- SvelteKit and MDSvex based project showcase and blog with custom theming and markdown rendering.

[Github](#) | [Link](#)

Robotics Scouting Application

- Two PWAs using Svelte which work together to facilitate the orderly distribution of robotics match assignments and centralized aggregation of match data in conditions without internet using QR Codes.

[Client Github](#) | [Manager Github](#)

2020 AP Exam Simulator

- A headless mockup of College Board's 2020 exam portal in Vanilla HTML and JS to enable students to effectively practice exam questions on desktop or mobile in preparation for virtual exams.

[Github](#) | [Demo](#)

HONORS & ACTIVITIES

Cal Alumni Association Leadership Award Recipient

Fall 2022