

Ivan Alvarez

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Education

Cal Poly SLO

Expected May 2026

Bachelor of Science in Computer Engineering (GPA: 3.7)

San Luis Obispo, CA

- **Relevant Coursework:** Fundamentals of Computer Science (Python) Data Structures Object-Oriented Programming (Java), Digital Design (System Verilog), Computer Design and Assembly Language Programming (System Verilog & Assembly), Linear Analysis

Experience

Hack4Impact

Sep 2023 – Present

Developer

San Luis Obispo, CA

- Collaborate in teams to build websites for local nonprofits.
- Applying full stack development(MongoDB, Express.js, Node.js, React.js, Next.js.)

Engineering Possibilities in College

Summer 2023

Camp Counselor

San Luis Obispo, CA

- Guided and inspired campers through fun activities while ensuring their safety and personal growth.
- Led and mentored a new group of 10 campers each week for 3 weeks.

Valdez Educational Services

Mar 2022 – Jun 2022

Foster Youth Tutor

Madera, CA

- Guided and inspired campers through fun activities while ensuring their safety and personal growth.
- Led and mentored a new group of 10 campers each week for 3 weeks.

Madera Flea Market

2015 – 2022

Sales Associate

Madera, CA

- Expressed quality customer service by assisting customers throughout their purchasing for 10 hours every week.
- Carried out multiple tasks during busy hours of the day.

Projects

CCC-USS Calendar | *React.js, Next.js, Node.js, MongoDB*

- Collaborate in a team of 16 (1 PM, 3 Designers, 2 Tech Leads, 10 Developers) to build a website for CCC-USS, an organization that supports undocumented students.
- Utilized bi-weekly sprints to complete assigned tasks across both front-end and back-end development.

Personal Website | *React.js, Next.js, Node.js, MongoDB*

- Implemented multiple pages using HTML and CSS.
- Refactored existing HTML/CSS website into a dynamic, interactive full-stack application using React, Next.js, Node.js, and Mongoose.
- Intensive 10-week project.

PROVE Endurance Car Project |

- Student organization with interdisciplinary teams, aiming to develop a fully electric long-range sports car that drives 1000+ miles on a single charge.
- Worked in the high voltage sub-team mostly as a component sourcer - Applied resourceful problem solving by using materials from previous PROVE projects.

Personal Gaming Computer Build |

- Configured 3 high-performance gaming PCs within budget constraints for personal use and friends.
- Demonstrated proficiency in selecting compatible components (CPU, motherboard, RAM, GPU, PSU, storage) to build high-performance systems.

Technical Skills

Technical: Git, Object Oriented Programming, Data Structures, Full-Stack Development, React.js, Next.js, Node.js, MongoDB

Languages: Python, Java, JavaScript, System Verilog, HTML, CSS, RISC-V Assembly

Natural Languages: English, Spanish