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 & RARS), Linear Analysis

Experience

Hack4Impact Sep 2023 – Present

Developer *San Luis Obispo, CA*

- Collaborate with other developers 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*

- Developing a full-stack website for a non-profit in SLO county
- Assigned sprint tasks biweekly

Project Name 2 | *Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap*

- Developed a data visualization dashboard using D3.js, providing stakeholders with real-time insights and improving decision-making processes.
- Built a CI/CD pipeline using Jenkins and Docker, reducing deployment time by 40% and ensuring consistent and reliable releases.

Project Name 3 | *Python, Flask, Jinja2, Firebase, Bootstrap*

- Contributed to an open-source project on GitHub, collaborating with a global community and achieving 500+ stars and 50 forks.
- Implemented automated testing for a critical module using Selenium, reducing regression bugs by 30% and ensuring a more stable release cycle.

Technical Skills

Languages: Rust, Kotlin, Swift, Go, Scala, TypeScript, R, Perl, Haskell, Groovy, Julia, Dart
Technologies: React.js, Angular, Vue.js, Django, Flask, Ruby on Rails, Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Laravel, Flask, ASP.NET, Node.js, Electron, Android SDK, iOS SDK, Symfony
Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Database Normalization, Agile Methodology, Cloud Computing