

David Cruz

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Education

BS in Computer Engineering

California Polytechnic State University, San Luis Obispo
Sept 2022 - June 2026

Experience

IT Technician

Jan 2022 – May 2024

JC Property Maintenance & Preservation, Inc.

- Managed cloud computing Linode backend on Linux, DNS Management, IT Infra, TDD
- Created full stack web page with React.js, Node.js and Next.js, ensuring cross platform responsive design, performance and stability, with WCAG accessibility conformance.
- Refreshed social media pages and optimized using SEO techniques

Software Projects

Jun 2017 – Present

Various locations

- Created web IDE to write Propeller C as an alternate to block programming parallax robots for high school students.
- Developed several programming language compilers with optimization techniques and static analysis for use in scripting popular games.
- Reverse engineering using the Rust programming language.

Skills

- JavaScript, React, Tailwind, Next.js, Svelte
- Unix, GNU/Linux, RHEL, Windows 10/11
- Nginx, Postfix, Flask, Express, Actix
- Microsoft Office, Google Workspace
- Rust, Tauri, C/C++, Java, SystemVerilog, RISC-V
- Collaboration with Git, Mercurial
- Github Pages, Github Actions (CI), Docker
- Test Driven Development via Jest, Playwright, PyTest