

# David Cruz

Burbank, CA  
(323) 284-5312

codebycruz@gmail.com  
codebycruz.com

---

## 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 |