

Andres Rodriguez Michel

Details

Location

Phone

Email

GitHub

[Dosx001](#)

Personal Website (WIP)

[Dosx001.github.io](#)

Education

California Polytechnic
State University
San Luis Obispo, CA
Bachelor of Science, Physics

Languages

Python, TypeScript, C++, HTML,
JavaScript, Lua, Bash, SQL, CSS

Skills

Git, AWS, CMake, Makefile

Software

PostgreSQL, VirtualBox, Docker,
Photoshop, Microsoft Office

Operating Systems

Linux: Arch, Ubuntu, Red Hat

Windows: 10, 8, 7

Libraries

Next.js, React, Tailwind CSS, tRPC,
Prisma, Zod, NextAuth, Zustand,
Selenium

This [resume](#) was created using
HTML & CSS

Work Experience

BAE Systems: Software Engineer

Jan 2022 - Present

- Developed shell scripts to automate daily tasks such turning off lab equipment
- Integrate and test Linux software on military equipment
- Utilize MySQL to keep track test results for regression tests and engineering checks
- Documented and track issues using Jira and communicated with team on resolution

BEACON: Lab Assistant

Jun 2017 - Aug 2020

- Analyzed hundreds of simulations using Python, Matplotlib, and NumPy
- Presented relevant metrics of large datasets in academic settings and meetings
- Communicated with a diverse multidisciplinary team from three universities

Cal Poly Dining: Student Assistant

Sept 2016 - Mar 2017

- Worked in fast-paced dynamic environment by role switching in critical moments
- Tracked and manage numerous tasks such cash register, stocks, food stations, etc

Personal Projects

AniCal: [Documentation](#)

Jan 2021 - Present

- Built a full stack Next web app, allowing users to created a calendar of airing anime
- Created a login and authentication system using NextAuth
- Manage and store user info using AWS PostgreSQL database
- Provided a quick access to each anime stream like Hulu, YouTube, Crunchyroll, etc.
- Programmed a event handler to record and display user watch history
- Web scrape cover art, stream links, air times, etc with [Python](#), cURL, and Selenium

mouselessV2: [Documentation & Source Code](#)

Dec 2022

- Forked [mouseless](#) and introduced numerous of bug fixes and features
- Reduced build size from 86.04 KB to less than 39 KB
- Rewrote code from JavaScript to TypeScript and fixed all lint and deprecation errors

Manual Code Injector: [Documentation & Source Code](#)

Dec 2022

- Coded a browser extension allowing users to inject personal code using hotkeys
- Designed a UI to allow users to edit code and select a key and modifies for a hotkey
- Sync user data to their Firefox account

GitPrompt: [Documentation & Source Code](#)

Jul 2020 - May 2021

- Developed an CLI tool that color codes files at various git stages
- Adjusted user Linux prompt displaying latest commit log, total stashes, branch, etc.
- Packaged and distributed on Arch Linux User Repository
- Coded a multithreaded C++ program with object oriented programming and pipes

GI-Artifact-Leveler: [Documentation & Source Code](#)

Nov 2021 - Dec 2021

- Designed an algorithm that optimizes upgrading gear in the game Genshin Impact
- Automated in-game mouse actions using Python and PyAutoGUI
- Captured and read onscreen images with Tesseract, MSS, and CV2

Leadership Experience

Cal Poly Chess Club: Event Coordinator

Aug 2017 - Jul 2018

- Collaborated with cabinet to plan and organize public events

Ballet Folklórico de Cal Poly: Public Relations

Aug 2016 - Jul 2017

- Maintained the public image and online presence of the club