Cameron E. Ross

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For a better viewing experience, please visit my site at cerossportfolio.com.

EDUCATION

California State Polytechnic University, Pomona

Bachelor of Science in Computer Science; GPA: 3.94   08/2019 - 12/2023

PROFESSIONAL EXPERIENCE

Coding Mind Academy

Full Stack Developer and Coding Instructor   *12/2023 - Present*

Designed and implemented an in-house mass email marketing tool using Mailgun, React, MongoDB, and Loopback complete with analytics. Developed a dynamic responsive rewards site for students with SvelteKit and Firestore. Maintained the company website and server.

California State Polytechnic University, Pomona

Scientific Researcher   *05/2023 - Present*

Machine learning used to predict dark matter distributions - currently publishing a paper on the subject. Developing Python modules for astronomy research. Bash scripts created to automate testing on supercomputers. Parallelized the STARFM algorithm using Nvidia CUDA.

Freelance

Web Developer   *08/2022 - Present*

Various projects. Developed a website for Brentwood Country Cleaners using SvelteKit, implementing responsive design and optimizing performance for faster load times. Created a WordPress site for a real estate agency, making custom graphics and editing with Photoshop.

WeAthena

Full Stack Developer   *10/2021 - 06/2023*

Worked on both web and mobile apps for college Greek life management. The web app was developed using SvelteKit and Supabase (PostgreSQL), offering features like roster management and financial tracking. The mobile app, built in React Native, included features such as push notifications, dark mode, chat functionality, caching, and offline support.

Cal Poly Pomona Foundation

Apple Technician   *01/2020 - 06/2021*

As a certified Apple Certified Macintosh Technician, I repaired and maintained Apple computers, assisted in selling hardware and software, and managed inventory. My role included troubleshooting technical issues for students and staff, ensuring high-quality customer service, and keeping track of store equipment and supplies.

SOFTWARE PROJECTS

Senior Project
Built a responsive full-stack web application that catalogs a user's video game collection.
Front-end built using React JS. Back-end built using Python Flask and MySQL.

Homelab
As a hobby, I manage a home server setup for Plex, local web servers, and my own IPTV
channel - automating various personal and home media tasks.

TECHNICAL SKILLS

General	Full-Stack Web Development | Mobile and Web UI/UX Design | Rest API Design | Parallel Programming
Programming Languages	Java | Python | C# | C++ | JavaScript/TypeScript | HTML | CSS | Svelte | Ruby
Frameworks/Libraries	React | Angular | React Native | Flask | Express | Ruby on Rails | Electron | CUDA | Sveltekit
Tools	SQL | Firebase | Git | Github | Adobe PS/AI | Unity 2D/3D

REFERENCES

Name	Title	Contact
Dr. Yu Sun	CEO of Coding Minds	yu.sun.cs@gmail.com
Dr. Coral Wheeler	Professor, Astrophysicist	cwheeler@cpp.edu
Slater Solis	Business Owner	slatersolis@gmail.com