

## Alan Cortez

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### Education

#### California State Polytechnic University, Pomona

Master of Science in Computer Science

August 2024 - Expected May 2026

Pomona, CA

#### California State University, Fullerton

Bachelor of Science in Computer Science

August 2020 - May 2024

Fullerton, CA

### Key Skills

**Programming:** HTML5, CSS3, Javascript, Typescript, React, Prisma, C++, Git

**Technical Skills:** Github, Figma

**Relevant Coursework:** Object-Oriented Programming, Data Structures, Software Engineering, File Structure & Database, Algorithm Engineering, Web Front-End Engineering, Web Back-End Engineering

### Relevant Experience

#### Palolo

Fullstack Web Developer Intern

May 2023 - August 2023

Remote

- **Commit 239 times** across **10 unique pull requests** in the span of **10 weeks** with every feature landing in a live production product.
- Spearhead collaboration with the marketing and development team to develop internal tools analyzing customer financial information and to polish general user experience.
- Refine existing web components to be more user friendly.
- Build scripts to populate the local Prisma database using Faker.js for the development environment.
- Create API endpoints to fetch finance information from the database to visualize in a responsive table.
- Develop command palette with built-in fuzzy-search to locate specific clients and companies anywhere on the web application.

#### AcePhysics

Front-End Web Developer

January 2023 - May 2023

Fullerton, CA

- Transform quantum physics class worksheets into reactive activities with React.js and TypeScript.
- Utilize LaTeX to render equations relating to quantum physics on the client-side.

### Certificates

#### Foundations of User Experience (UX) Design

Online Course - Coursera

### Projects

**bagget.io** | *Figma, Typescript, NextJS 13*

- **Design** and **develop** a mobile-responsive landing page using **Figma** and **NextJS 13** for Bag/Get.
- Integrate Nodemailer for **email handling**, Google reCAPTCHA for **spam prevention**, and Axios for efficient API communication, enhancing user experience and data security.
- SaaS to optimize food bank and pantry operations in order to give clients a dignified experience.

**acmcsuf.com** | *Svelte, Typescript, CSS*

- Chapter organization club website covering general information with **4000 monthly visitors**.
- Spearhead the integration of an interactive activity which compiles user responses to match to an appropriate team according to their abilities and interests.
- Initiate the full **redesign** of the landing page to be more informative and a **modern user-interface**.