

Roman Q. Chavez

in Roman Chavez ✉ rqc3@cornell.edu 🌐 Romanqc 📺 Roman Chavez

Education

Cornell University, Sophomore

Aug 2022 - May 2026

B.A. Pure Mathematics | Minor in Computer Science

Work Experience

Prototype Developer, IDEO, San Francisco, CA

Jun 2022 - Jul 2022

- Worked in a cross-functional team including a product manager, designer, and another mobile developer
- Responsible for developing application prototypes in Android Studio based on the designer's template in Figma
- Operated user testing and feedback reports with the product manager to expand the accessibility of the application

Founder and Instructor, Jr. Oakland Cubers, Oakland, CA

Jun 2016 - Jul 2020

- Coached and taught **1,000+** how to solve the Rubik's Cube
- Gave **60+** lectures and presentations about Rubik's Cube algorithms
- Collaborated with public libraries, Native American youth programs, and mosques
- Held free math and physics tutoring sessions

Projects

Peachy, Full Stack Developer

Jun 2023 - Aug 2023

A Slack application created to assist users in work and school environments

- Responsible for the full-stack development of a context-aware Slack generative AI chatbot aimed to increase work productivity
- Integrated Slack API and Google PaLM 2 API with MongoDB as a bases for the backend
- Conducted user testing and design critique to iteratively develop features, including tone customization and response time efficiency
- Published Peachy's documentation to [GitHub](#), showcased updates on [YouTube](#), and reached **5,000+** impressions with its [LinkedIn](#) post.

Skills: Python, NoSQL

Bay Area Rapid Transit Discord Bot, Full Stack Developer

Mar 2022 - Jun 2022

A Discord application made to encourage public transportation within the Bay Area

- Fostered community interaction and convenience by leveraging public transit data within Discord
- Wrote scripts to fetch and display train departure/arrival times from the Bay Area Rapid Transit API
- Gained **200+** views on [YouTube](#) addressing the power of transportation and how it affects communities accross the Bay Area

Skills: JavaScript, Node.js

Class Roster, Lead Developer

Aug 2023 - Dec 2023

An application that allows users to add, delete, and edit classes in a roster from the terminal

- Rearchitected a menu system to take advantage of polymorphism
- Enhanced menu system's functionality by incorporating lambdas and function pointers
- Utilized smart pointers to provide a safer way to manage dynamically allocated memory, avoiding memory leaks.

Skills: C++, C

Awards and Honors

Hack MongoDB Atlas on Google Cloud Grand Prize Winner

Aug 2023

Issued by Atlas Madness: Hack MongoDB on Google Cloud

7th Generation Scholar

May 2021

Issued by Native American Health Center: Seven Generations Scholarship Fund

Native American Youth Ambassador

Oct 2018

Issued by Center for Native American Youth