

Rachel Quan

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EDUCATION

University of California, Davis

B.S Computer Science, Minor in Tech Management

Expected Graduation Date June 2022

GPA: 3.69

COURSES

Data Structures and Algorithms I • Discrete Mathematics • Linear Algebra • Machine Organization and Assembly Language

COMPETITIONS

Second Place Winner at Violet Hacks 2019

RecordMe

Node.js, Express, JavaScript, jQuery, & HTML/CSS | [GitHub](#)

- Engineered a public speaking/interviewing practice tool that records and critiques a user's audio input by tracking the number of specific filler words used.
- Implemented a recording feature that includes playback and download functionalities and integrated it with Mozilla Speech Recognition API.
- Collaborated with a product designer, a product manager, and another developer to bring an idea to life within 2 days.
- Won 2nd place out of the 24 teams.

Google Tech Challenge 2019

- Solved challenging puzzles using logical thinking and programming with two other developers under a one-hour time limit.

Best Game Hack at Rose Hack

Windows Defender VR

Unity, C#, & Oculus Rift | [GitHub](#)

- Built a virtual reality game from scratch with a team of four within a 24-hour time limit.

TECHNICAL SKILLS

PROFICIENT

FRONTEND: HTML/CSS • JavaScript • jQuery • Git • Linux

BACKEND: Node.js • Express • Heroku • C# • XML

PROGRAMMING: C++

DESIGN: Figma • Balsamiq • Photoshop • Illustrator • InDesign • Lightroom

LEARNING

FRONTEND: React

BACKEND: MongoDB

TECHNICAL EXPERIENCE

Rewriting the Code, Fellow

June 2019 – Present | San Francisco Bay Area, CA

- Part of a prestigious year-long educational and career development program for female undergraduates studying computer science and engineering.

State Bar of California, Applications Development Intern

June 2019 – Present | San Francisco, CA

- Program a console application in **C#** that automatically retrieves and inserts 8,000+ records across different database tables.
- Implement **SQL** triggers to synchronize between two different database systems with 30,000+ records and among 20+ database tables in real-time.
- Wireframe the UI interfaces for two web applications with approximately 20,000+ users using **Balsamiq**.
- Develop a full-stack web application that automates the processing and auditing of 10,000+ records using **C#** and the **MVC framework**.
- Learn the analysis, design, development, testing, and implementation of multiple applications in a mixed **waterfall** and **agile** environment by shadowing engineers, analysts, and IT directors.

Citrus Hack, Frontend Web Developer | [cutiehack.io](#)

June 2018 – October 2018 | Riverside, CA

- Developed user-friendly web pages for a beginner hackathon using **HTML/CSS**, **jQuery**, and **Bootstrap** frameworks.
- Organized an Introduction to Git workshop and guided 10+ web developers on how to use Git through their terminals.

PROJECT

Personal Website

December 2018 – Present

HTML/CSS, JavaScript, & Figma | [GitHub](#)

- Independently prototype and develop a personal portfolio website.

LEADERSHIP + INTERESTS

Women in Computing, Internal Operations Chair

March 2019 – June 2019 | Riverside, CA

- Improved membership attendance by 160% by recapping successes from previous events on social media and personally encouraging students to attend upcoming events.
- Increased opportunities for members and K-12 students to explore computer science by hosting workshops on C++ programming, Scratch, and front-end development.

Citrus Hack, Graphic Designer | [Portfolio](#)

June 2018 – April 2019 | Riverside, CA

- Reached 700+ people by designing distinctive digital and print assets using **Adobe Photoshop**, **Illustrator**, and **Canva** to reinforce the three hackathons' brand identities.