REBECCA DANG

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EDUCATION

University of California, Berkeley | Aug 2021 – May 2025 | Electrical Engineering & Computer Science | 3.9 GPA

- Data Structures (Java), Structure & Interpretation of Computer Programs (Python); Fall 2022: Machine Structures (C), Discrete Mathematics & Probability Theory

Evergreen Valley College | Jun 2019 – Jul 2020 | 4.0 GPA | Took classes concurrently during high school

- Discrete Structures, Data Structures (Java), Program Structures (Java), Program Design & Development (Python)

EXPERIENCE

Bloomberg | Software Engineer Intern, Bloomberg Law Platform Enablement | May 2022 – Aug 2022 | New York, NY

- Integrated an authorization service, BLAW's Draft Analyzer API, and the core BLAW code base on a test environment in Bloomberg's in-house CI/CD web app. This authorization service is hit by an API Gateway to authorize user requests to bloomberglaw.com

Berkeley Codebase | Client Software Developer | Sep 2021 – Present | Berkeley, CA

- Created Bill.com's developer portal using React; Material UI; AWS Amplify, Cognito, DynamoDB, and Lambda; and Google OAuth
- Rebuilt Aurora Solar's admin portal using React and blueprint.js; implemented end-to-end testing using Cypress

Computer Science Mentors | Senior Mentor | Jan 2022 – Present | Berkeley, CA

- Taught weekly sections to support students taking CS 88: Computational Structures in Data Science at UC Berkeley
- Topics covered include Python, control, loops, higher order functions, lists, dictionaries, recursion, trees, linked lists, object-oriented programming, exceptions, efficiency, iterators, generators, and SQL

UC Berkeley | CS 61A Academic Intern | Jan 2022 – May 2022 | Berkeley, CA

- Answered student questions during weekly lab sections for CS 61A: Structure and Interpretation of Computer Programs
- Topics covered include everything in CS 88 (see above), Scheme, interpreters, regular expressions, and Backus-Naur Form

FIRST Tech Challenge (FTC) Team 9656 Omega Robotics | Co-Captain | Aug 2018 – Feb 2021 | San Jose, CA

- Programmed the robot to accomplish autonomous and remotely controlled tasks to score points
- Created website to train members in Java, bash, Git, and GitHub containing programming tutorials, exercises, and solutions
- Revamped Omega's engineering documentation, allowing Omega to qualify for the 2020 FIRST World Championships in Houston

PROJECTS

Enoch | Creator, Lead Developer | Aug 2020 – Sep 2021

- Programmed a Discord bot using the Discord.py API for use in Code 4 Tomorrow (C4T) Discord servers with 500+ users
- Features: Automated class scheduling using the Google Sheets API; student, parent, and volunteer verification to ensure security on C4T Discord servers; link retrieval; private text and voice channel creation for each coding class; meeting reminders; scoreboards; and more
- Wrote the entire project's technical documentation, commands reference, and developer guide up to v2.2.0
- Collaborated with other student developers to expand the bot's features; reviewed pull requests

SKILLS

Python, Java, Git, GitHub, React, JavaScript, HTML, CSS, Ruby on Rails, SQL, Scheme, Caddy, Redis, continuous integration, writing documentation