REBECCA DANG

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EDUCATION

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

- Structure and Interpretation of Computer Programs (Python), Designing Information Devices & Systems (Fall 2021)

Evergreen Valley College | Jun 2019 – Jul 2020 | 4.0 GPA

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

Evergreen Valley High School | Aug 2017 – Jun 2021 | 4.0 GPA | Valedictorian

EXPERIENCE

Berkeley Codebase | Client Software Developer | Sep 2021 – Present

- Currently rebuilding Aurora Solar's admin portal using React, blueprint.js, Python, Flask, Okta, and OAuth2

Code 4 Tomorrow (C4T) | Vice President, Mentor | Mar 2020 - Present

- Created Java, Python, and HTML/CSS curricula; taught beginner and advanced Python courses
- Set up continuous integration on C4T's GitHub repositories to ensure high code quality
- Coordinated team of 130+ volunteers to provide 180+ free virtual coding classes and events, reaching 1100+ students

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

- 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
- Coordinated 15 roboticists to design, build, and program robots in the FIRST Tech Challenge

PROJECTS

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

- Programmed a Discord bot using the Discord.py API for use in 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

Psyber | Jan 2019

- Created website to teach cybersecurity including a cybersecurity quiz, Caesar cipher reverser, and informational articles
- Won Best Beginner Hack at PixelHacks III

SKILLS

Proficient: Python, Java, Git, GitHub

Familiar: HTML, CSS, JavaScript, SQL