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
- Member of IEEE-HKN (Eta Kappa Nu), Mu Chapter (UC Berkeley's Electrical Engineering & Computer Science Honor Society)

EXPERIENCE

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

- Integrated an authorization service, BLAW's Draft Analyzer API, and the core BLAW Ruby on Rails 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 and sped up BLAW Engineers' application development process by removing the need to go through the core BLAW code base

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

- Writing Ruby script to automatically generate financial transaction data which allows Hummingbird to test their fraud detection products without having to use private customer data
- Created Bill's developer portal using React; Material UI; AWS Amplify, Cognito, DynamoDB, and Lambda; and Google OAuth, allowing developers to easily build apps with the Bill API
- Rebuilt Aurora Solar's internally facing admin portal using React, blueprint.js, and Cypress, allowing employees to easily upload solar panel design files and schedule jobs

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

- Taught weekly discussion sections to support students taking CS 88: Computational Structures in Data Science at UC Berkeley
- Created walkthrough videos for past exam problems, revised worksheets used to teach concepts, and held weekly meetings to teach Junior Mentors pedagogical concepts
- 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

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