REBECCA DANG

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EDUCATION

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

- Discrete Mathematics & Probability Theory, Machine Structures (C Programming Language), Data Structures (Java), Structure & Interpretation of Computer Programs (Python); Spring 2023: Algorithms, Computer Security
- 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 Project Manager | Dec 2022 – Present | Berkeley, CA

- Sourcing companies to partner with by cold emailing 120 companies and hosting project brainstorming calls
- Leading team of 6 software developers to build software for a high-growth company over the semester

Berkeley Codebase | Client Software Developer | Sep 2021 – Dec 2022 | Berkeley, CA

- Wrote Ruby scripts 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

UC Berkeley | CS 88 Tutor | Jan 2022 – Present | Berkeley, CA

- Teaching small groups, hosting review sessions, and holding office hours for CS 88: Computational Structures in Data Science (also known as DATA C88C)
- Topics include Python, higher order functions, lists, dictionaries, recursion, trees, linked lists, object-oriented programming, exceptions, efficiency, iterators, generators, and SQL

Computer Science Mentors | CS 88 Coordinator | Dec 2022 – Present | Berkeley, CA

- Managing 30+ weekly tutoring sections, hosting exam review sessions, reviewing weekly teaching materials (worksheets and slideshows), and interviewing candidate mentors to support students taking CS 88: Computational Structures in Data Science at UC Berkeley

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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; and more
- Wrote the entire project's technical documentation, commands reference, and developer guide up to v2.2.0

SKILLS

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