

# REBECCA DANG

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## EDUCATION

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

- *Completed coursework:* Efficient Algorithms & Intractable Problems, Computer Security (C Programming Language, Golang), Discrete Mathematics & Probability Theory, Machine Structures (C Programming Language), Data Structures (Java), Structure & Interpretation of Computer Programs (Python); *Fall 2023 coursework:* Artificial Intelligence
- Member of IEEE-HKN (Eta Kappa Nu), Mu Chapter (UC Berkeley's Electrical Engineering & Computer Science Honor Society)

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## EXPERIENCE

**Bloomberg** | Software Engineer Intern | May 2023 – Aug 2023 | New York, NY

**Bloomberg** | Software Engineer Intern | May 2022 – Aug 2022 | New York, NY

- Integrated a new authorization service, [Bloomberg Law's](#) (BLAW) Draft Analyzer API, and the core BLAW Ruby on Rails codebase, speeding up BLAW engineers' development process by eliminating the need for apps to go through the core BLAW codebase to check if a user is authorized to hit a certain API endpoint

**Berkeley Codebase** | Client Project Manager | Dec 2022 – May 2023 | Berkeley, CA

- Led team of 6 software developers to build a unified interface between the [Aavgo](#) hotel check in portal and various Property Management Systems (PMS) specific to each hotel using React, Material UI, Postgres, Express, RoboCorp, Selenium, and Playwright

**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 2023 – May 2023 | Berkeley, CA

- Taught small groups, hosted exam review sessions, and held 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

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## SKILLS

Python, Java, Git, GitHub, React, Typescript, JavaScript, HTML, CSS, Golang, Ruby on Rails, C Programming Language, SQL, GraphQL, Node.js, Express, Scheme, Caddy, Redis, Jenkins, Jest, JUnit, Pytest, continuous integration, technical documentation, Jira, Agile