Rebecca Dang

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Education

University of California, Berkeley Berkeley, CA

B.S. Electrical Engineering and Computer Science (EECS), 3.8 GPA *Aug 2021 – May 2025*

- **Completed coursework:** Machine Learning, Databases, Artificial Intelligence, Linux System Administration, Efficient Algorithms & Intractable Problems, Computer Security, Discrete Mathematics & Probability Theory, Machine Structures, Data Structures, Structure & Interpretation of Computer Programs. **Fall 2024 coursework:** Computer Vision, Research in AI Education, Bioinformatics
- **Member of IEEE-HKN** (Eta Kappa Nu), Mu Chapter (EECS Honor Society)

Experience

Stripe | Software Engineer Intern | South San Francisco, CA May 2024 – Aug 2024

- Saved 38+ engineer hours weekly by creating a heuristic to prioritize tests run in continuous integration builds for the largest Ruby codebase in the world (20+ million lines of code and 3+ million tests)
- Created dashboard to evaluate effectiveness of different test ordering heuristics

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

- Created an internal Node.js package which retrieves data from GraphQL APIs to aid in migration of Bloomberg's Customer Service Center (CSC) portal to new infrastructure
- Created full stack web subapp for clients to submit and view Bloomberg Valuation (BVAL) Price Challenge tickets in the CSC portal using TypeScript, React, and Express.js
- Reduced maintenance costs by creating the first CSC subapp that uses Bloomberg's internal managed infrastructure and significantly reduced back-and-forth between customer service representatives and clients by adding advanced input validation

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

- 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

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

- 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

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

- 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 | Head Teaching Assistant, DATA 101 | Berkeley, CA Aug 2024 – Present

- Teaching weekly discussion sections, holding office hours, and writing exam questions for DATA 101: Data Engineering (aka INFO 258)

UC Berkeley | Head Teaching Assistant, CS 88 | Berkeley, CA Jan 2024 – May 2024

- Managed 12 other course staff members, organized course logistics and accommodations for 450+ students, taught weekly lab sections, held office hours, and wrote exam questions for CS 88: Computational Structures in Data Science (aka DATA C88C)

Skills

Programming Languages: Python, Java, TypeScript, JavaScript, Golang, Ruby, C, SQL, Scheme
Technologies: Git, GitHub, NumPy, React, HTML, CSS, Ruby on Rails, GraphQL, Node.js, Express, Caddy, Redis, Jenkins, Jest, Mock Service Worker, React Testing Library, JUnit, Pytest, OpenAPI (Swagger), continuous integration
Other: Technical documentation, Jira, Agile, Computer Science Education