

# Rebecca Dang

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## EDUCATION

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### 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:** Computational Photography & Computer Vision, Research in AI Education, Computational Genomics
- **Member of IEEE-HKN** (Eta Kappa Nu), Mu Chapter (EECS Honor Society)

## EXPERIENCE

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### UC Berkeley | Head Teaching Assistant, DATA 101 | Berkeley, CA

Aug 2024 – Present

- Creating and updating project and homework assignments, teaching 2 weekly discussion sections, holding office hours, answering student questions on online course forum, and grading exams for DATA 101: Data Engineering

### 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

### 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)

### 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

### 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

### 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 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

## SKILLS

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**Programming Languages:** Python, Java, Ruby, TypeScript, JavaScript, Golang, SQL, C, Scheme

**Technologies:** Git, GitHub, NumPy, Pandas, React, HTML, CSS, Ruby on Rails, MongoDB, GraphQL, Node.js, Express, Jest, JUnit, Pytest, OpenAPI (Swagger), continuous integration, Caddy, Redis, Jenkins

**Other:** Technical documentation, Jira, Agile, Computer Science Education