

Rohan Agrawal

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EDUCATION

University of California, Berkeley [2021-2025] - B.A. Computer Science - GPA: 3.5 / 4.0

- **Computer Science 61A:** Data structures and algorithms in Python, Scheme. SQL
- **Computer Science 61B:** Java. Data structures & Algorithms.
- **Math 54:** Linear Algebra and Differential Equations
- **Computer Science 70:** Discrete Mathematics and Probability Theory
- **Data 8:** The Foundations of Data Science, data visualization, regression, statistics
- **Linux Administration DeCal:** Networking, Server hosting, Kubernetes, Docker, Linux, Terminal/Bash
- **Cubstart:** IOS App design with Swift and SwiftUI, APIs, JSONs, React, Firebase

Irvine Valley College [2021-2021]

- **Computer Science 31 Database Management Programming:** SQL programming; database management
- **Engineering 20:** Object-oriented programming with MATLAB/Simulink

WORK EXPERIENCE

Split: Boston, Massachusetts - [Chief Technology Officer][April 2023-Present]

- Built features for IOS Flutter App for a fast growing startup with 1.2+ million dollars in attempted transactions. Programming done in Flutter Dart. Worked with Google Cloud, Firebase, and App Store Connect.

SeatEats: Berkeley, California - [Software Engineering Intern][September 2022-December 2022]

- Reduced user-reported defects by over 50% and resolved numerous security issues relating to SQL injection attacks, refactored backend to implement braintree payment processing in Javascript
- Built one-time-password generation tool using Twilio for password recovery and initial signup functionality

Lateral Link: Los Angeles, California - [Software Engineering Intern][August 2020] – [January 2021]

- Oversaw the implementation of an organized and efficient SQL database and the transfer of company data into more efficient storage

PROJECTS:

- **SplitShoppe** - Fully designed a UI, coded, and launched a full-stack Swift IOS app that allows users to split bulk items from warehouse stores with people who have similar grocery lists. Implemented Firebase user authentication and Firestore database management.
- **Overtime** - Designed a full-stack website application that uses mathematical optimization to allocate time spent on tasks. Implemented frontend in Javascript, HTML, and CSS creating a user friendly and easy to use website page. Coded a backend and API using python and Flask, using Ajax to make HTTP requests to the backend database.
- **Kane** - Next.js based web E-translation service. MongoDB utilized for authentication and storage. Express used for backend API.
- **Athlete** - Implemented a full stack web application using AngularJS GraphQL, Express, and mongoDB for the database. A sports recruitment platform not unlike linkedin but more so geared towards high school athletes and coaches.
- **HT** - React web application that allows for logging of crime instances. Redis for the backend.
- **Roadies** - Full stack react-native ridesharing application.
- **Personal Website** - Implemented a personal resume site using HTML, CSS, and Javascript
- **Club Website** - Created a functional template for a college club website with multiple pages using React.js
- **Berkeley Datathon 2021** - Used python, pandas, and regression to analyze the correlation between household income and accessibility of learning during COVID

STUDENT ORGANIZATIONS:

- **CALICO** - Developed competitive programming and mathematics problems, solutions, and problem outlines for a high school programming competition attended by over 600 students worldwide.

SKILLS: Python, Java, SQL, Scheme, MatLab, C++, Git, Django, React, Flutter, MongoDB