

# Aivant Goyal

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 [github.com/aivantg](https://github.com/aivantg)

## Education

### University of California Berkeley - B.A. Computer Science

2017 - 2021

GPA: 3.9 / 4.0 — Major GPA: 4.0 / 4.0

Relevant Coursework: Data Structures, Algorithms, Computer Architecture, Discrete Math + Probability

### Phillips Exeter Academy

2014 - 2017

GPA: 10.42 / 11.0

## Experience

### Free Software Foundation

Sep 2018 — Present

Full Stack Developer Consultant / Berkeley, CA

- Building a mobile app to promote digital rights activism using only open source libraries and frameworks
- Using React Native and Ruby on Rails to build out a customized push notification system + beautiful UX
- Worked on a team of five via Blueprint, a pro-bono technology consulting club for nonprofits

### UC Berkeley EECS Department

Jan 2018 — Present

Student Instructor / Berkeley, CA

- Teaching a class on Ruby on Rails to 70+ students, using flipped-classroom + discussion-based learning ideologies
- Redesigning the curriculum and building an interactive virtual textbook to teach students difficult concepts
- Built a student + teacher portal using Rails for the course to facilitate assignments, resources, and attendance

### Propaganda3

Jun 2016 — Aug 2018

Mobile Developer / Kansas City, MO

- Created 11+ native mobile apps for the Android and iOS app stores with over 12,000 total users across the country
- Worked with local and national clients through dev. agency to improve mobile presence and customer engagement.
- Utilized bluetooth beacon frameworks, Google Cloud Messaging and camera overlays to build an engaging UX
- Developed Augmented Reality prototype for Hallmark and built 3 Pinnacle Award winning apps

### The Dream Project

Jan 2018 — May 2018

Full Stack Developer Consultant / Berkeley, CA

- Digitized logistics and attendance-taking for The Dream Project, an educational org. in the Dominican Republic
- Integrated Redux into React Native app to build an offline-first experience. Simplified Rails JSON responses
- App is used by teachers and administrators to service 8,200+ children across 27 communities
- Worked on a team of five via Blueprint, a pro-bono technology consulting club for nonprofits

## Projects

### Open Sesame

Sep 2017 — Oct 2017

- Upgraded dorm room door by pairing two Arduino boards together to enable key-card + secret-knock entry
- Utilized a RFID scanner, Piezo vibration sensor, and a clever motor setup to make entering the room easier

### Classroom Management Portal

Jun 2016 — Jun 2017

- Built a class portal using Ruby on Rails utilizing Devise authentication and an elaborate but reusable schema
- In active use to facilitate a course of 70+ students, managing, students, admins, grading, attendance & curriculum

## Skills and Activities

**Languages:** Python, Java, Swift, C, Javascript, Ruby, HTML/CSS, SQL

**Technologies:** React, React Native, Redux, iOS, Android, Ruby on Rails, Apache Spark, AR Kit, NumPy, Keras ML

**Activities:** Singing, Playing Guitar, Teaching, Blueprint (pro-bono, non-profit technology consulting club)