Aivant Goyal

🌐 aivant.me   ✉ aivant@berkeley.edu

 github.com/aivantg

Education

University of California Berkeley - *B.A. Computer Science*   **2017 - 2021**
GPA: 3.89 / 4.0 — Major GPA: 4.0 / 4.0
Relevant Coursework: Data Structures, Algorithms, Computer Architecture, Computer Security, Discrete Math, Probability

Phillips Exeter Academy   **2014 - 2017**
GPA: 10.42 / 11.0

Experience

Stripe
Software Engineering Intern / San Francisco, CA   **May 2019 — Aug 2019**
- Built out support for tiered fees and aggregations on internal IC+ cost-modeling dashboard (React, Redux, Ruby)
- Helped cut 12+ weeks of engineering time for onboarding new acquirers onto the Stripe platform
- Enabled creation of more complex fee models, allowing for accurate accounting on Stripe's largest expense item

Blueprint   **Sep 2018 — Present**
Pro-bono Technology for Nonprofits / Berkeley, CA

Project Leader, People Power Solar Cooperative (Fall 2019)
- Led development of a React + Airtable web app to give cooperative owners a digital window into their involvement
- Provided mentorship to team of 4 developers through guides, pair programming, documentation and code reviews
- Developing an online dashboard to allow members of the cooperative to stay informed and manage finances

Developer, The Dream Project (Spring 2017)
- 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

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
- 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

Projects

The React/Rails Decal   https://portal.reactdecal.org, & https://your.rails.world/semesters/11
- Designed and Taught 2 separate classes on Ruby on Rails and React.js to 100+ students, sponsored by the school
- Redesigned the curriculum, made online lectures, and wrote an interactive virtual textbook for complex concepts
- Built a student + teacher portal using Ruby on Rails + Airtable to facilitate assignments, resources, and attendance

Wikipedia Clickstream Explorer   https://wikiclick.aivant.me
- Downloaded and cleaned raw Wikipedia clickstream data (csv files) and stored in MySQL database hosted on AWS
- Built web server in express.js to render data in a fun, explorable way. Additionally exposed a JSON API for research

Classroom Management Portal   https://your.rails.world/semesters/11
Sample Credentials — Email: railsguest@gmail.com, Password: "Password1"
- 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

OpenSesame — Arduino Dorm Hack   https://github.com/aivantg/opensesame
- Built a micro-controller system to open dorm-room door upon knocking a secret pattern or scanning a keycard

Skills

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

Technologies: React, React Native, Redux, iOS, Android, Ruby on Rails, Express.js, Apache Spark, NumPy, Keras ML