

# BRIAN (BORHAN) RAFIQ

## UC Berkeley Computer Science Undergraduate

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in borhan-rafiq

## EDUCATION

### Bachelor's Degree, Computer Science

#### University of California, Berkeley

GPA: 3.6 / 4

📅 August 2017 — May 2021

📍 Berkeley, CA

- Awarded UC Berkeley Undergraduate Scholarship.
- **Previous Coursework:** Data Structures, Discrete Math & Probability Theory, Interpreters, Linear Algebra, Designing Information Devices & Systems.
- **Current Coursework:** Computer Architecture & Machine Structures, Artificial Intelligence, Principles & Techniques of Data Science.
- **Extracurriculars:** Men's Club Soccer, WriterCoach Connection, Phi Kappa Psi Finance Chair, Intramural Soccer

## EXPERIENCE

### Software Engineer Intern

#### Jafa (Just A Fan's Analysis)

📅 May 2019 — August 2019

📍 London, United Kingdom

- Designed and implemented front and backend for a dashboard web app.
- Completed backend in JavaScript that uses Axios to fetch, manipulate, and render user engagement data from Jafa's data analytics platform using Amplitude REST API.
- Developed frontend of dashboard using Bootstrap and Next.js frameworks while working in JavaScript & JSX.
- Implemented key features in company's social media app, including liking/disliking capabilities on article posts as well as links to category-specific news feeds via a user's following page.

### Data Structures & Algorithms Academic Intern

#### UC Berkeley EECS Department

📅 Aug 2018 — December 2018

📍 Berkeley, CA

- Assisted students with homework, lab assignments, and projects from Data Structures and Algorithms (CS61B) course during weekly office hours and lab.
- Responsible for staying up-to-date on course material and projects and teaching students concepts when asked for help.

### Strategy Intern

#### Engage3

📅 May 2018 — Aug 2018

📍 Davis, CA

- Designed an API to integrate company's software development platform, Assembla, and its customer support software, Freshdesk.
- Discovered and led entire company through a migration from Basecamp to ProofHub, a better alternative for a product management platform, which Engage3 now uses.

## SKILLS

### Languages:

Python, Java, JavaScript, C, HTML, CSS, SQL, Unix

### Tools & Frameworks:

Git, React, React Native, Next.js, Node.js, Bootstrap, Axios, LaTeX, iPython Notebook

## PROJECTS

### Dashboard Web App

JavaScript, JSX, Next.js, Bootstrap, Axios

- Dashboard solution that renders a company's app or website analytics, social media following, and a live twitter feed.
- Wrote front and backend to retrieve user activity data using Axios, manipulate it to form insightful graphs and key data points, and display it in a web app that uses a Bootstrap framework.

### To-Do List App

JavaScript, JSX, React Native

- To-do list iOS app with a sleek UI for simple, everyday tasks.
- Implemented logic enabling users to add/remove simple tasks or delete entire list and create a whole new task list.

### BearMaps

Java

- Google Maps inspired navigation program specific to the Berkeley community.
- Implemented A\* search algorithm and image rastering while using OpenStreetMap API to display fastest routes on a web server.

### Maze Game

Java

- An interactive one or two-player maze game through pseudo-random world generation after taking the user's input of any seed sequence.
- Designed and implemented algorithm to ensure a seed always corresponds to a specific, unique maze room.