

# AKSHAY ALLAM

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## EDUCATION

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### University of California, Irvine

B.S. in Computer Science 2021

GPA: 3.02

Sept. 2017 - Current

## WORK EXPERIENCE

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### Bose Corporation, *Cloud Data Engineer Intern*, Framingham, MA

June 2019 - Aug. 2019

- Developed a data collection client in JavaScript that gathers sensor data from any Bose Augmented Reality product
- Created a data collection server in Golang that receives, parses, and pushes sensor data to a Kibana dashboard for tracking
- Pipelined incoming sensor data into a Postgres database and formed visualizations using Apache Superset
- Worked in an Agile Development, utilizing daily scrum, user stories, sprint planning and retrospectives
- Summer project was showcased at the Bose Builders Conference

### ARTEM (startup at our university), *Web Developer*, Irvine, CA

July 2018 - Sept. 2018

- Developed the front-end using HTML, CSS, and Bootstrap for an efficient user interface for all types of users
- Utilized modern software tools and frameworks such as Django and Git to build, maintain, and deploy the application
- Integrated PostgreSQL into the application allowing for an industry standard database configuration

## PROJECTS

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### Covid-19 Contact Logger

Full stack web application that allows users to keep track of their travels in case of a Covid-19 exposure.

- Created a responsive SPA with React (Redux, Context, Hooks) and JWT Token Authorization
- Developed a RESTful API using Node.js with Express.js for saving and retrieving user data with MongoDB
- Leveraged third party APIs to gather up-to-date statistics on Covid-19 cases in the U.S.
- Implemented version control using Git and deployed the app through Heroku and Firebase

### UCI Professor Ratings

A chrome extension written in JavaScript that allows students to quickly access a professor's RateMyProfessor page from our school's class schedule page.

- Gained over 275 users since publishing in July 2020

### DiroText

A web server built with Python and Flask that allows users to receive navigation directions via SMS without Wi-Fi or mobile data.

- Used the Twilio API to allow for SMS delivery
- Implemented the Google & HERE Direction APIs for navigation purposes
- Awarded "Best Use of Twilio API" at Citrus Hack (University of California, Riverside)

### Chess AI

A single player chess game written in Python in which the AI never loses.

- Constructed the artificial intelligence using the minimax algorithm, alpha-beta pruning, and heuristics

## EXTRACURRICULARS

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### Information and Computer Science Student Council, *Student Events Committee*

Jan. 2018 - June 2018

- Hosted multiple workshops on web development technologies such as HTML5, CSS3, & JavaScript
- Planned biweekly events for students to collaborate and network in such as Mini Hackathons & Alumni Q&A Panels

## SKILLS

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**LANGUAGES:** Python, JavaScript (+Node.js), HTML, CSS

**FRAMEWORKS:** React (Redux, Context, Hooks), Express.js, Bootstrap

**ADDITIONAL:** PostgreSQL, MongoDB, Git, Postman