

# AKSHAY ALLAM

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## EDUCATION

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**University of California, Irvine**  
B.S. Computer Science 2021

Sept. 2017 - Current

## EXPERIENCE

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

June 2019 - Aug. 2019

- Built a data collection client in JavaScript that collects sensor data from the Bose Frames and sends the data over a web-socket connection.
- Created a data collection server in Golang that receives the sensor data and pushes it to an Elasticsearch Kibana dashboard for tracking.
- Pipelined incoming sensor data into a Postgres database and developed visualizations using Apache Superset.
- Worked in an Agile software development, delivering according to every sprint planning and weekly backlogging.

**ARTEM, Back-End Web Developer**, Irvine, CA

June 2018 - Sept. 2018

- Managed and oversaw the back-end web development process for the ARTEM web application
- Utilized modern software tools and frameworks such as Django and Git to build, maintain, and deploy the application
- Integrated AWS and PostgreSQL into the application allowing for an industry standard server and database configuration

**Information and Computer Science Student Council (ICSSC), Student Events Committee**, Irvine, CA

Jan. 2018 - June 2018

- Planned biweekly events for computer science students to socialize and collaborate on new ideas
- Events included: Alumni & Faculty Q&A Panel, Mini Hackathon, Beach Bonfire, Big Bear Retreat
- Hosted multiple workshops on web development technologies such as HTML5, CSS3, & JavaScript

## PROJECTS

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**DiroText**

A web server that allows users to receive navigation directions via sms without wifi or mobile data.

Technologies Used: Python, Flask, Twilio API, Google & HERE Direction APIs

**UCI Professor Ratings ( 275+ Users )**

A chrome extension that allows students to quickly access their professor's RateMyProfessor page from the school's class schedule page.

Technologies Used: Javascript

**fastscan.ai**

A quick and easy way to instantly diagnose all stages of skin cancer with the snap of a photo.

Technologies Used: Python, fast.ai, Paperspace, Flask

**Checkers AI**

A checkers game in which the AI never loses. The artificial intelligence was constructed using the minimax algorithm, alpha-beta pruning, and heuristics.

Technologies Used: Python

## AWARDS

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**Best Use of Twilio API, Citrus Hack - Twilio**

Apr. 2018

Built a web server that allow users to receive navigation directions via SMS without WiFi or mobile data.

## SKILLS

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**PROGRAMMING LANGUAGES:** Python, Java

**WEB DEVELOPMENT:** HTML5, CSS3, JavaScript

**ADDITIONAL:** PostgreSQL, Linux