BALA AKSHAY ALLAM

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EDUCATION

University of California, Irvine   Sept. 2017 - Current
B.S. Computer Science 2021

EMPLOYMENT

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.
• Presented my finished product to the team of engineers who will be demoing it at a Bose Builders Conference.
• Involved in Agile workflow, participating in sprint planning, backlogging meetings, and daily standup meetings.

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

Artificial Intelligence at UCI, *Active Member*, Irvine, CA   Oct. 2017 - Current
• Learned about Neural Networks and TensorFlow.
• Networked with other AI enthusiasts and UCI graduate students

Information and Computer Science Student Council (ICSSC), *Student Events Comittee*, 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

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

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

Tic-Tac-Toe AI
A single-player tic-tac-toe game in which the human player can only tie or lose to the computer. The computer's artificial intelligence was constructed using the minimax algorithm.

Othello
A modern, two-player version of the board game, Reversi.

AWARDS

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

PROGRAMMING LANGUAGES: Python, Golang, Java
WEB DEVELOPMENT: HTML5, CSS3, JavaScript, jQuery, Django
ADDITIONAL: PostgreSQL, Linux, Microsoft Office, Google G Suite