Olin Zhou

Computer Science Major · Business Minor · Texas A&M University

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Education

Texas A&M University *College Station, TX*
B.S. in Computer Science, Minor in Business *August 2017 - May 2021*
- GPA: 3.866

Skills

Languages Java, JavaScript, C++, Python, MATLAB, SQL, Bash Script
Web Development React, Node.js, Express.js, Bootstrap, HTML, CSS
Tools MySQL, AWS Lambda/API Gateway, Unix, OpenStack

Experiences

MathWorks *Natick, MA*
EDG Intern *May. 2020 - Aug. 2020*
- Automated MathWorks' platform testing process by writing user-friendly bash scripts that create OpenStack instances to host MATLAB containers. Sped up testing process by 50%
- Created a web UI and Java API to display and filter 500,000+ testing jobs in MathWorks' internal database based on operating systems, clusters, and MATLAB release versions
- Bash Script, OpenStack, Java, GlassFish, SQL, React

Tyson Foods *Springdale, AR*
Full Stack Intern *May. 2019 - Aug. 2019*
- Created 9 unique responsive and cloud based web intake forms to store Tyson Foods' truck incidents for the transportation department
- Led biweekly meetings with client to discuss project progress and goals
- Saved Tyson Foods $40,000 from outsourcing the project to a third party developer.
- React, NodeJS, AWS Aurora, AWS Lambda, Docker, Kubernetes

Texas A&M University *College Station, TX*
Undergraduate Teaching Fellow (Newtonian Mechanics) *Jan. 2019 - May. 2019*
- Led weekly classes that helped 20+ underclassmen understand physics concepts related to mechanics by diving deep into physics problems and holding review sessions

Projects

Presidential Candidate Tweet Classifier *Oct. 2020*
School Project
- Used an ensemble machine learning model (KNN, Naive Bayes, Random Forest) to classify Trump's and Biden's tweets.
- Achieved an accuracy of 98%, precision of 98%, and recall of 99%
- Led a team of three through the machine learning life cycle.
- Python, sklearn, Google Colab

Stock Alert *Jan. 2020*
Personal Project
- Created a web application that alerts users by either text message or phone call based on the current and desired stock price of a given ticker
- React, NodeJS, ExpressJS, AWS Lambda, Twilio API

Road Conditions *Sep. 2019*
Personal Project
- Created a web application that maps weather details on a static map image based on the user starting and ending location
- Calculates the weather condition every 30 minutes on the route
- React, NodeJS, Google Maps API, Open Weather API

Discord Voice and Image Bot *Jan. 2019*
Personal Project
- Created a bot that searches through Reddit for images and/or gifs and sends relavent content to users with chat commands
- Supports custom voice files/reactions based on user input
- Python, Discord.py, PRAW API