

Olin Zhou

COMPUTER SCIENCE MAJOR · BUSINESS MINOR · TEXAS A&M UNIVERSITY

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Education

Texas A&M University

B.S. IN COMPUTER SCIENCE, MINOR IN BUSINESS

- GPA: 3.866

College Station, TX

August 2017 - May 2021

Skills

Languages Java, JavaScript, C++, Python, MATLAB, SQL, Bash Script

Web Development React, Node.js, Express.js, Bootstrap, HTML, CSS

Tools Jupyter Notebook, 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 relevant content to users with chat commands
- Supports custom voice files/reactions based on user input
- [Python](#), [Discord.py](#), [PRAW API](#)