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 **bash scripts** that create **OpenStack** instances to host MATLAB **containers**
- Created a **web UI** and **Java API** to display and filter 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 a **responsive** and **cloud based** web **intake form** to store Tyson Foods' **truck incidents** for the transportation department and saved Tyson Foods **$40,000**
- 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 underclassmen understand **physics concepts** related to mechanics by **diving deep** into physics problems and holding review sessions

Projects

Take a Break, Grab a Cookie   *Jul. 2020*

MathWorks HackDay

- A **Windows application** that reminds the user to take a break and **dims the screen** based on a preferred time
- C#, .NET Framework

Stock Alert   *Jan. 2020*

Personal Project

- 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

- 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

- A bot that searches through **Reddit** for **images** and sends relavent content to users with chat commands
- Can also play voice files/reactions based on **user input**
- Python, Discord.py, PRAW API