Thomas McDonald

Website: tmcd.me

EDUCATION

Texas A&M University, College Station, TX
BS in Computer Science (GPA 4.0)

Skills

- JavaScript/Node.js
- Python
- C++
- Docker
- Go
- Kubernetes
- Java
- ReactJS

Experience & Projects

JP Morgan Chase, Houston, TX   06/2019 - 08/2019
Software Engineering Intern
- Introduced Blue/Green deployments and post verification testing to increase automation
- Developed logging utility to centralize application logs using ElasticSearch

AT&T, Dallas, TX   06/2018 - 08/2018
Software Engineering Intern
- Worked heavily with Kubernetes to deploy and scale applications to be used by the entire company
- Worked with clients to send application status alerts and create custom Docker images
- Created an analytic dashboard with team of interns to provide customer insights

Sympliact, College Station, TX   03/2018 - 05/2018
Web Developer (part-time)
- Worked on web platform with React and Node.js that is used in a medical practice to track and manage patients

JWT Auth Microservice (Project)
- Developed a base JSON Web Token authentication microservice with customizable options
- Written using ExpressJS w/ MongoDB and Docker for containerization
- Basic features such as cookies, forgotten password, registration, and login

Adwords Scraping (Project)
- Developed scraping tool for gathering advertisement search engine placement and generating reports that cut down time for tracking ad results
- Was used for tracking ad campaigns for SiteCoach

Leadership

Aggie Coding Club, Workshops co-Chair
- Responsible for developing and putting on weekly workshops for the Aggie Coding Club
- Have put on workshops covering Git, basic API and web development, Docker, and more

Aggie STEM Application, Project Manager
- Responsible for communicating between the Aggie STEM organization and the team, planning, and meeting with the team of 3
- App developed in React Native, however, it was not completed in time to use for the organization's summer camps

Classes

- Data Structures & Algorithms
- Discrete Structures
- Computer Organization (Architecture)
- Intro to Computer Systems
- Distributed Objects Programming (Distributed Systems)
- Software Engineering
- Analysis of Algorithms