Thomas McDonald

thomasmcdonald@tamu.edu	832-614-7557	Houston, TX	tmcd.me

EDUCATION

Texas A&M University, College Station, TX   May 2020
Bachelor of Science in Computer Science   GPR: 4.0
Emphasis in Business   ACT: 32

HONORS

Dean's Honor Roll   Spring 2019
Industrial Affiliate Program Scholarship   2017 - 2020
Eagle Scout   2014

SKILLS

C++, JavaScript/Node.js, Python, Git, Project Management, Public Speaking, Docker, Java

RELEVANT EXPERIENCE

JP Morgan Chase, Houston, TX
Software Engineering Intern   June 2019 - August 2019
- Developed a centralized logging utility to reduce the number of emails by roughly 90% per release using Kafka and Elastic Stack
- Introduced blue/green deployments to eliminate deployment downtime
- Implemented post verification testing in order to reduce the number of failed deployments

AT&T, Dallas, TX
Software Engineering Intern   June 2018 - August 2018
- Pitched platform idea to senior leaders to reduce team on boarding time from 1 month to 2 weeks
- Worked heavily with Kubernetes to deploy and scale applications to be used by the entire company
- Created an analytic dashboard with team of four to provide customer service insights using Angular and Django

Sympliact, College Station, TX
Web Developer (part-time)   March 2018 - May 2018
- Worked on patient-facing web platform in order to centralize patient records between medical practices, easing the transition to other practices. Developed using React
- Aided in design of data organization to optimize data flow and storage

LEADERSHIP

Aggie Coding Club
Workshops co-Chair   March 2018 - May 2020
- Developed and taught over 20 workshops teaching a variety of technologies to members with my partner
- Training two members to become workshop chairs with my current partner

Aggie STEM
Project Manager   September 2017 - May 2018
- Responsible for communicating with the organization and team of 3 to develop mobile application for summer camps in React Native
- Application was developed but not deployed in time for the organization's summer camps

Head Night Counselor   June 2017 - July 2017
- Worked with a team of 11 to ensure an itinerary was kept and campers were accounted for
- Responsible for communication between night and day counselors, managing medical needs, and resolving any situations

PROJECTS & RESEARCH

Texas A&M University - PSI Labs
BioScale: Development of a Mobile Stress Management Game Prototype   Summer 2017
- Developed game to analyze the use of biofeedback to teach stress management

SiteCoach
Adwords Scraping   November 2017 - December 2017
- Developed scraping tool in Python for gathering advertisement placement throughout the day and generate reports to cut down time from 45 minutes to 10 minutes

Personal
JWT Authentication Microservice   December 2018
- Developed a microservice to handle application authentication, login and registration pages, and password resetting