

Thomas McDonald

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tmcd.me
Houston, TX

EDUCATION

Texas A&M University, College Station, TX
Bachelor of Science in Computer Science
Emphasis in Business

May 2020
GPA: 4.00
ACT: 32

HONORS

Industrial Affiliate Program Scholarship
Dean's Honor Roll
Eagle Scout

2017 - 2020
Spring 2019
2015

SKILLS

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

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 application deployment downtime
- Implemented post verification testing in order to reduce the number of failed application 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 on a platform to deploy and scale applications to be used by the entire technology organization
- Created an analytic dashboard using Angular and Django with team of four to provide customer service insights to identify service pain points

Sympliact, College Station, TX

Web Developer (part-time)

March 2018 - May 2018

- Developed patient-facing React application in order to centralize patient records between medical practices, easing the transition to other practices
- Worked on design of data organization to optimize data flow and storage

LEADERSHIP

Aggie Coding Club

Workshops Co-Chair

March 2018 - present

- Developed and taught over 20 workshops teaching a variety of technologies to members with other co-chair
- Training two members to become workshop chairs with co-chair

Aggie STEM

Project Manager

September 2017 - May 2018

- Managed team of three to develop a mobile application for STEM summer camps and communicated progress to superiors
- 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
- Ensured effective communication between night and day counselors, managed medical needs, and resolved conflicts

PROJECTS & RESEARCH

Personal

JWT Authentication Microservice

December 2018

- Developed a microservice to handle application authentication, login and registration pages, and password resetting

SiteCoach

Adwords Scraping

November 2017 - December 2017

- Developed autonomous advertisement data scraping tool in Python to reduce report generation time from 45 minutes to 10 minutes

Texas A&M University - PSI Labs

Development of a Mobile Stress Management Game Prototype

June 2017 - August 2017

- Developed game to analyze the use of biofeedback to teach stress management