

Mohamed Farah

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EDUCATION

Bachelor's of Science in Computer Science

Anticipated Graduation: May 2022

University of Houston

- Cumulative GPA: 4.0
- Relevant Courses: Data Structures and Algorithms, Computer Organization and Architecture, Linear Algebra, Discrete Mathematics, Calculus

Lonestar College

- Cumulative GPA: 3.8
- President's List for terms Spring 2020, Fall 2020
- Member of the Leadership College

WORK EXPERIENCE

Full Stack Developer Intern | Texas News Express

January 2021 — Present

- Selected by Chief Executive Officer to continue internship part-time throughout the academic year.
- Responsible for maintaining and updating the company's website and database.
- Integrated modern programming frameworks and paradigms to legacy systems.

Web Developer Intern | Texas News Express

April 2020 — December 2020

- Built websites for various businesses associated with Texas News Express.
- Communicated directly with business clients to deliver results efficiently.
- Created wireframes to custom tailor the design of client websites.
- Employed modern front-end technologies to bring website wireframes to life.

PROJECT EXPERIENCE

HP/AWS Bot-a-thon | Team Member

January 2021

- Won 2nd place overall by demonstrating an enhanced AWS Lambda function that creates a data generation pipeline.
- Paired AWS Lambda with Amazon S3 and AWS DynamoDB to store incoming emails, parse emails for serial numbers, and store serial numbers in DynamoDB.
- Constructed a pipeline that inputs emails and outputs serial numbers via AWS S3 and AWS Lambda.
- Competed in a team of four with over 20 other teams and 24 hours to complete our projects.

CodeRED Hackathon | Team Lead

November 2020

- Won 1st place for JPMorgan & Chase's "Best Hack for Social Good" by creating a service where students can visualize potential college debt depending on location, institution, and major.
- Created a web application that graphs potential college debt after the anticipated graduation date.
- Competed in a team of four with over 80 other participants and 24 hours to complete our projects.

Keeper (Google Keep Clone) | Personal Project

- Created a full-stack web application to help multiple users create quick notes.
- Features a secure account system that incorporates ExpressJS, MongoDB, and HelmetJS to protect sensitive user information.
- Created reusable components using ReactJS and AngularJS in two separate versions of the project.

Fibonacci Code Generator | Personal Project

- Used C++, multithreading, multiprocessing, and socket programming to produce a Fibonacci code generator.

LEADERSHIP AND VOLUNTEERING ACTIVITIES

President | Muslim Student Association

August 2020 — Present

- Founded a student club for the Muslim community at Lonestar College University Park.
- Assembled a team of cabinet members to make the MSA successful.
- Organized and coordinated a nationwide event with other MSA leaders.

SKILLS

Programming Languages: C++, Python, JavaScript, HTML/CSS

Frameworks & Libraries: Typescript, ReactJS, AngularJS, ExpressJS, NodeJS, Bootstrap, jQuery

Databases: MongoDB

Tools: Git, AWS, Docker, SASS, LaTeX, Windows, Mac OS, Linux distros