

Mohamed Farah

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EDUCATION

Bachelor's of Science in Computer Science

Anticipated Graduation: May 2022

University of Houston

- Cumulative GPA: 3.9
- Relevant Courses: Data Structures, Algorithms, Design of File and Database Systems, Automata and Computability, Operating Systems, 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

Software Engineer Intern | Texas News Express

January 2021— Present

- Selected by the Chief Executive Officer to continue internship part-time throughout the academic year.
- Responsible for maintaining and updating the company's website and database using **PHP** and **MySQL**.
- Helped scale the company's website to handle 300 thousand users monthly.

Web Developer Intern | Texas News Express

April 2020 — December 2020

- Built websites for various businesses across Houston, TX
- Communicated directly with business clients to deliver results efficiently.
- Created wireframes to custom tailor the design of client websites.
- Employed modern web application technologies to bring website wireframes to life.

PROJECT EXPERIENCE

Keeper (Google Keep Clone) | Personal Project

May 2021

- Produced a web application to help users create quick notes.
- Created a database to hold user login information using **MongoDB**
- Made reusable components using **ReactJS**
- Created middleware to connect the front-end to the back-end using **NodeJS**

Fibonacci Code Generator | Personal Project

March 2021

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

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 "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 using **ChartJS**.
- Competed in a team of four with over 80 other participants and 24 hours to complete our projects.

LEADERSHIP AND VOLUNTEERING ACTIVITIES

President | Muslim Student Association

August 2020 — July 2021

- 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++, Java, Python, JavaScript, HTML/CSS, R

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

Databases: SQL, MongoDB

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