Mahmood Alam

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Ambitious Programmer. Energetic Community Member. Always Learning Something New.

EDUCATION

The University of Texas at Austin

BS Computer Engineering

Graduating December 2019

Relevant Coursework:

Java Programming, Software Testing, Data Structures, Algorithms, Data Science Lab, Information Security

EXPERIENCE

Associate Software Engineer | Cocolevio   September 2017 – October 2018
- Utilized AngularJS, Python Flask, and DynamoDB to build a SAAS application for restaurants tips
- Customized an online truck-tracker for LogiCorp Trucking using AngularJS and Google Maps API
- Consulted Vibra Healthcare on adopting cloud-based solutions for their electronic health records
- Taught three new interns AngularJS and Python Flask with my previous code base

Finance Director | Nueces Mosque   December 2018 - present
- Record all financial transactions using Quickbooks accounting software
- Make executive financial decisions for all community programs and collect/deposit funds every week
- Write reports for the Executive Committee on the status of finances, budget, and donations
- Plan to fundraise for an expected 25% increase in congregants for the dinners in May 2019 (Ramadan)

Web Manager | Nueces Mosque   May 2018 - present
- Assign tasks and schedule deadlines for a team of three developers and designers
- Applied a modern website layout, Facebook updates, and an email subscription form using WordPress

PROJECTS

TalkToTheHand | HackTX Hackathon (TeacherTalent 2nd Place Prize)   October 2018
- Presented a prototype armband that can translate sign-language to speech
- Trained Myo armband to classify gestures with K-nearest neighbor algorithm
- Built a speech-to-text app with Microsoft Azure's Cognitive Services and Android Studio

Google Gather | Developer Week Hackathon   November 2018
- Invented a custom Google Assistant that can transcribe speech, moderate meetings, and type reports
- Combined JavaScript, Dialogflow, Firebase, and Google Cloud's Speech-to-Text API

COMMUNITY SERVICE

Lead Tutor | Austin Muslim Relief Committee   February 2018 - present
- Volunteer three hours every Sunday to instruct 30+ refugee children in math and reading
- Initiated meetings to construct a new curriculum, secure a larger space, and recruit 7 more teachers

SKILLS & ACTIVITIES

Programming and Technologies

Java, Python, JavaScript, HTML/CSS, AngularJS, Flask, REST APIs, Azure, Google Cloud, JIRA

Clubs

United Muslim Relief, Texas Dawah, Intramural Basketball and Football, Robotics Society

Soft Skills

Teaching, Presenting, Scheduling, Delegating Innovating, Team Building, Volunteering

Interests

Web Design, Data Management, Cloud Services, Fundraising, Community Development