

# 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
- Trained three new interns on AngularJS, Python Flask, and JIRA Agile

### Web Manager | Nueces Mosque

May 2018 - present

- Brainstorm use cases for the website and create user stories
- Schedule weekly sprints for a team of three developers and designers
- Applied a modern website layout with brand colors, new graphics, full-width banners, Facebook updates, testimonials, a video gallery, and a donate page (still waiting on approval to publish)

### Finance Director | Nueces Mosque

December 2018 - present

- Record all financial transactions using Quickbooks accounting software
- Compile budgets, balance sheets, and profit/loss reports for the Executive Committee
- Raise an extra \$500 a week by organizing weekly bake sales and lunch sales
- Email sponsorship packages to attract more donors from alumni network and parent network

## 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

### Google Gather | Developer Week Hackathon

November 2018

- Invented a custom Google Assistant to 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 teachers

## SKILLS & ACTIVITIES

#### Programming and Technologies

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

#### Clubs

United Muslim Relief, Intramural Basketball and Football, Robotics Society

#### Soft Skills

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

#### Interests

Web Development, Fundraising, Hackathons, Mentoring