

# MAHMOOD ALAM

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## EDUCATION

**The University of Texas at Austin** | BS Computer Engineering, Graduating December 2019

### Relevant Coursework:

Java Programming	Data Science Lab	Discrete Math	Social Innovation
C/C++ Programming	Information Security	Linear Algebra	Social Profit Marketing
Software Testing Lab	Algorithms	Probability	Engineering Design

## EXPERIENCE

**Software Engineer Intern** | Cocolevio, September 2017 – October 2018

- Utilized AngularJS, Python Flask, and DynamoDB to build a SAAS application for restaurants to track 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
- Collaborated with a 10-member team of designers, developers, and consultants on JIRA Agile

**Web Manager** | Nueces Mosque, May 2018 - present

- Coordinated five developers, designers, writers, and photographers to boost website engagement
- Improved website on WordPress with a modern layout, high-quality graphics, Facebook events, an email subscription form, image/video highlights, and motivational reminders

## PROJECTS

**Google Gather** | CodeRed Hackathon November 2018

- Created a custom Google Assistant demo on Google Home Mini that can streamline and moderate meetings with roll calls, agendas, meeting minutes, agile workflows, and action plans
- Combined Google App Scripts and Google Cloud's Speech-to-Text and Natural Language API to transcribe speech, identify speakers, and summarize the key ideas of a meeting in Google Docs

**TalkToTheHand** | TeacherTalent Challenge 2<sup>nd</sup> place winner, HackTX Hackathon October 2018

- Developed a prototype armband that can translate sign-language to speech with 96% accuracy
- Trained Myo armband to classify gestures with a machine learning algorithm (K-nearest neighbor)
- Built a speech-to-text app with Microsoft Azure's Cognitive Services and Android Studio

## COMMUNITY SERVICE

**Lead Tutor** | Austin Muslim Relief Committee, February 2018 - present

- Volunteer three hours every Sunday to instruct 50+ refugee children in math and reading
- Organized meetings to develop a new curriculum and recruit more teachers into the program
- Secured larger tutoring space to accommodate 20+ more students and 6 more instructors

## SKILLS & ACTIVITIES

### Programming and Technologies

Python	Flask	Microsoft Azure
Java	RESTful APIs	Google Cloud
C/C++	Swagger	Google App Scripts
HTML/CSS	DynamoDB	JIRA Agile
JavaScript	GitHub	WordPress
AngularJS	Linux	Android Studio

### Clubs

Mobile App Development, United Muslim Relief, Muslim Student Association, Robotics Society, Intramural Basketball and Football

### Hobbies

Ultimate Frisbee, Biking, Cooking, Haikus, Avengers