

EDUCATION

The University of Texas at Austin

Bachelors of Science, Electrical & Computer Engineering, 2020

EMPLOYMENT

University of Texas Law School Media Services, *Media Assistant*, Austin, Texas

Sep 2017 - Current

- Assist professors with technical issues related to computers, projectors, and recording lectures
- Responsible for troubleshooting tech issues
- Coordinate setup and takedowns for law school events

PROJECTS

Mobility - Treehacks

Feb 2018

- Constructed a head tracking mouse with foot clicker using **Arduino**
- The embedded system utilized accelerometer and gyroscope sensor data which we filtered and smoothed to track the user's head position
- Created a backend through mLab for the storage of user profiles and data

Air Amigos - TAMUhack

Jan 2018

- Designed an **Android** App that paired passengers based on preferences and similar interests
- Utilized the American Airlines API to acquire flight data and passenger information; modified said API to include data we created
- Assembled data and listed users based on a percent match determined by an algorithm we created in **Java**

SEARCH Homeless - JP Morgan Chase & Co., Code For Good

Oct 2017

- Solved SEARCH Homeless's problems on marketing, volunteer involvement, and administration by creating a social network for their volunteers
- Developed the hybrid application site structure using **HTML**, **CSS**, **JavaScript**, and **AngularJS**
- Implemented the Agile Software Development methodology
- Presented our project to judges and won first place

LessFaceIt.com - HackRice

Sep 2017

- Increased doctor-patient interaction by reducing the amount of time the doctor spends on the computer
- Implemented Microsoft Azure Face API as an alternative log-in method for bringing up patient and doctor data
- Created site structure in **HTML/CSS** and webcam capture with facial recognition API calls in **JavaScript**

SKILLS

CODING LANGUAGES/SKILLS: C, Embedded Systems, Git, HTML/CSS, Linux, Arduino, Android App Development, Matlab, Java, LabVIEW, JavaScript

OTHER LANGUAGES: English, Urdu

AWARDS

Code For Good Hackathon 1st Place Team, *JP Morgan Chase & Co. and SEARCH Homeless*

Oct 2017

Awarded for developing the best software solution for Houston's SEARCH Homeless

Best Internet of Things Hack, *CodeRed: Exploration, University of Houston*

Nov 2017

Awarded for our project: Got Home. Developed in Android, Got Home tracked users using GPS and would send text notifications to specific contacts when the user safely arrived at their destination