S M Farhanur Rahman

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EDUCATION

Master of Science, Computer Science   **May 2021**
The University of Texas at Dallas   GPA: 4.00/4.00
          Track: *Systems*

Bachelor of Science, Electrical and Computer Engineering   **May 2019**
The University of Texas at Austin   GPA: 3.40/4.00
          Primary: *Software Engineering*
          Secondary: *Computer Architecture and Embedded Systems*

WORK EXPERIENCE

Intern, Applied Research Labs   **May 2018 - July 2019**
- Assisted naval research (secret clearance) using Python/Matlab on Linux.
- Completed demo using postgreSQL to store serialized data from kafka.

Undergrad Research Assistant, UT Austin   **Sept 2017 - May 2018**
- Assisted development of an insect tracking program using Python and C++.

UTalk Student Caller, Austin-TX   **Aug 2015 - May 2016**
- Learned how to build rapport and communicate with parents and alumni of UT.
- Communicated through phone calls and raised over $10,000 for the university.

ACADEMIC EXPERIENCE

Android Projects, UT Austin   **Various Semesters**
- Apartmate: Created an app for roommates in software design class with a team (Spring 2018)
- MapApp: Used Google Maps API to show maps/street view of an address (Spring 2018)
- WeatherApp: Used Dark Sky API to collect weather information and displayed it on app (Fall 2017)

Data Science Project, UT Austin   **Fall 2018**
- Built a web scraper to extract song albums and artists from wiki
- Used Spotify and Genius API to retrieve song lyrics and album art
- Attempted to train dataset over GAN models to generate artwork

Embedded Systems Project, UT Austin   **Various Semesters**
- Car Game: Designed and implemented a car game on the TM4C123 launchPAD in C (Spring 2016)
- WeatherStation: Implemented temperature sensor using I2C protocol on a custom PCB (Spring 2019)
- TI-RSLK: Developed Simulink program for a robotics curriculum using C2000 launchpad (Spring 2019)

SKILLS

- **Programs**: Proficient in Java, C, Python;
              Familiar with Matlab, HTML/CSS, C++, Linux terminal, Labview/Simulink
- **Soft-skills**: Teaching Assistant, Excel budgeting, Sales representative, Team management

ACTIVITIES

- Panelist, Southwest Popular/American Culture Association
- Participant, Leadershape Institute
- 1st place, Local Unrated Chess Competition
- Volunteer: Pi Sigma Pi, ACL, Explore UT, SXSW, Texas Tribune, Longhorn Halloween, HFH
- Diploma, AP Capstone Research Program
- Grader, Engineer Your World