

# S M Farhanur Rahman

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## EDUCATION

<b>Master of Science, Computer Science</b>	<b>May 2021</b>
The University of Texas at Dallas      GPA: 4.00/4.00 Track: <i>Systems</i>	
<b>Bachelor of Science, Electrical and Computer Engineering</b>	<b>May 2019</b>
The University of Texas at Austin      GPA: 3.40/4.00 Primary: <i>Software Engineering</i> Secondary: <i>Computer Architecture and Embedded Systems</i>	

## WORK EXPERIENCE

<b>Research Intern, Applied Research Labs</b>	<b>May 2018 - July 2019</b>
<ul style="list-style-type: none"><li>Assisted naval research (secret clearance) using Python/Matlab on Linux</li><li>Completed demo using postgresQL to store serialized data from kafka</li></ul>	
<b>Undergrad Research Assistant, UT Austin</b>	<b>Sept 2017 - May 2018</b>
<ul style="list-style-type: none"><li>Assisted development of an insect tracking program using Python and C++</li></ul>	
<b>UTalk Student Caller, Austin-TX</b>	<b>Aug 2015 - May 2016</b>
<ul style="list-style-type: none"><li>Learned how to build rapport and communicate with parents and alumni of UT</li><li>Communicated through phone calls and raised over \$10,000 for the university</li></ul>	

## ACADEMIC EXPERIENCE

<b>Android Projects, UT Austin</b>	<b>Various Semesters</b>
<ul style="list-style-type: none"><li>Apartmate: Created an app for roommates in software design class with a team (Spring 2018)</li><li>MapApp: Used Google Maps API to show maps/street view of an address (Spring 2018)</li><li>WeatherApp: Used Dark Sky API to collect weather information and displayed it on app (Fall 2017)</li></ul>	
<b>Data Science Project, UT Austin</b>	<b>Fall 2018</b>
<ul style="list-style-type: none"><li>Built a web scraper to extract song albums and artists from wiki</li><li>Used Spotify and Genius API to retrieve song lyrics and album art</li><li>Attempted to train dataset over GAN models to generate artwork</li></ul>	
<b>Embedded Systems Project, UT Austin</b>	<b>Various Semesters</b>
<ul style="list-style-type: none"><li>Car Game: Designed and implemented a car game on the TM4C123 launchPAD in C (Spring 2016)</li><li>WeatherStation: Implemented temperature sensor using I2C protocol on a custom PCB (Spring 2019)</li><li>TI-RSLK: Developed Simulink program for a robotics curriculum using C2000 launchpad (Spring 2019)</li></ul>	

## 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

- Instructor, CS Outreach
- Panelist, Pop 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