

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: <i>Systems</i>	
Bachelor of Science, Electrical and Computer Engineering	May 2019
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

Research Intern, Applied Research Labs	May 2018 - July 2019
<ul style="list-style-type: none">Assisted naval research (secret clearance) using Python/Matlab on RedHat LinuxCompleted demo using PostgreSQL to store serialized data from Apache Kafka	
Undergrad Research Assistant, UT Austin	Sept 2017 - May 2018
<ul style="list-style-type: none">Assisted development of an insect tracking program using Python and C++	

ACADEMIC EXPERIENCE

Contact List Application, UT Dallas	Spring 2020
<ul style="list-style-type: none">Wrote MySQL script to transfer user info from a CSV file into a databaseDeveloped a GUI that allows a client to interact with the data using Java Swing library	
Data Science Project, UT Austin	Fall 2018
<ul style="list-style-type: none">Built a Python web scraper to extract song albums and artists from wikiUsed Spotify and Genius API to retrieve song lyrics and album artAttempted to train dataset over GAN models to generate artwork	
Android Projects, UT Austin	Various Semesters
<ul style="list-style-type: none">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]	
Embedded Systems Project, UT Austin	Various Semesters
<ul style="list-style-type: none">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]Car Game: Designed and implemented a car game on the TM4C123 launchPAD in C [Spring 2016]	

SKILLS

- Programs:** Proficient in Java, C, Python;
Familiar with OpenCV, TensorFlow, SQL, Bash, JUnit, HTML/CSS/JS
- Soft-skills:** Teaching Assistant, Team management, Excel budgeting, Sales representative

ACTIVITIES

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