

# S M Farhanur Rahman

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## EDUCATION

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**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

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**Research Intern, Applied Research Labs** **May 2018 - July 2019**

- Assisted naval research (secret clearance) using Python/Matlab on RedHat Linux
- Completed demo using PostgreSQL to store serialized data from Apache Kafka

**Undergrad Research Assistant, UT Austin** **Sept 2017 - May 2018**

- Assisted development of an insect tracking program using Python and C++

## ACADEMIC EXPERIENCE

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**Contact List Application, UT Dallas** **Spring 2020**

- Wrote MySQL script to transfer user info from a CSV file into a database
- Developed a GUI that allows a client to interact with the data using Java Swing library

**Data Science Project, UT Austin** **Fall 2018**

- Built a Python 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

**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]

**Embedded Systems Project, UT Austin** **Various Semesters**

- 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

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- **Programs:** Proficient in Java, C, Python;  
Familiar with OpenCV, TensorFlow, SQL, GCP/AWS, Bash, Hadoop, JUnit, HTML/CSS/JS
- **Soft-skills:** Teaching Assistant, Team Management, Excel Budgeting, Telemarketing

## ACTIVITIES

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- Instructor, CS Outreach
- Grader, Engineer Your World
- Participant, Leadershape Institute
- 1<sup>st</sup> 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