S M Farhanur Rahman

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EDUCATION

Master of Science, Computer Science   **May 2021**
The University of Texas at Dallas   GPA: 3.93/4.00
          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

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

Grocery Store Web Application   **Fall 2020**
- Developed a grocery store application using MEAN stack technologies
- Implemented user login, product search, placing orders, and tracking order history

Contact List Application   **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 Projects   **Various Semesters**
- Reinforcement Learning: developed DQN to play atari game Breakout   [Fall 2020]
- GANs: attempted to generate album artwork based on lyrics   [Fall 2018]

Android Projects   **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]

Embedded Systems Project   **Various Semesters**
- WeatherStation: Implemented temperature sensor using I2C protocol on a custom PCB [Spring 2019]
- Car Game: Designed and implemented a car game on the TM4C123 launchPAD in C   [Spring 2016]

SKILLS

- **Languages**: Java, C, Python, HTML/CSS/JS, PHP/MySQL, Matlab
- **Technologies**: Git, Bash, MEAN stack, JUnit, OpenCV, TensorFlow, GCP/AWS, Hadoop
- **Soft-skills**: Teaching Assistant, Team Management, Excel Budgeting, Telemarketing

ACTIVITIES

- IT Support, Indopak Supermarket
- Graduate Student Assistant, UTD
- Instructor, UTD CS Outreach
- Hackathons: Hacktoberfest, GameJam
- Participant, Leadershape Institute
- Panelist, Pop Culture Association
- Volunteer: ACL, Explore UT, SXSW, Texas Tribune, Longhorn Halloween