

# WASIF HAQUE

Allen, TX

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## Skills

- Java
- Python
- SQL
- R
- JavaScript
- C, C++
- Unix
- Tensorflow, Keras.
- Unity
- Android Studio

## Experience

SEPTEMBER 2018 - PRESENT

**The University of Texas at Dallas, Richardson, TX** - *Graduate Teaching Assistant*

- Grading assignments, holding office hours and invigilating tests.
- Record keeping.

JUNE 2019 - AUGUST 2019

**ARGO Data Resource Corporation, Richardson, TX** - *Software Developer Intern*

- Fixed numerous software security vulnerabilities in ARGO's fraud detection product.
- Enhanced logging mechanism and wrote proper documentations.
- Added different performance metrics in different parts of the code base.
- Collaborated with the development team in the agile development process and participated in daily scrum meetings.

SEPTEMBER 2016 - DECEMBER 2016

**BRAC University, Dhaka, Bangladesh** - *Undergraduate Teaching Assistant*

- Grading assignments, holding office hours and invigilating tests.
- Record keeping.

JULY 2016 - SEPTEMBER 2016

**Multimedia Content & Communications Ltd., Dhaka, Bangladesh** - *Android Developer Intern*

- Worked as part of a team on various android application development projects.
- Wrote application logic using Android SDK and Android Studio.
- Designed and customized rich UI for different modules using Recycler View, View Pager and Navigation Drawer.
- Participated in design and code reviews.

## Education

### **The University of Texas at Dallas, Richardson, TX - MS / PhD in Computer Science**

2018 - 2020 (MS, expected), 2018 - 2023 (PhD, expected)

### **BRAC University, Dhaka, Bangladesh - BSc in Computer Science**

2013 - 2017

CGPA: 3.86, Graduated with Highest Distinction

## Projects & Online Courses

**Traffic Sign Recognition with Deep Convolutional Neural Networks** - Developed a Deep Learning-based computer vision system that learned to recognize traffic signs (on German Traffic Sign Recognition Benchmark) with state-of-the-art accuracy as my Bachelor's thesis.

**Text Generation using Recurrent Neural Networks** - Used an LSTM model to develop a system that can generate words and sentences after training on text corpus.

**English Character Recognizer with Conv-Nets** - A Deep Learning model that can recognize english characters from images with high accuracy.

**A Game of Pong using JavaScript** - A web-based game of pong that can be played against a simple AI ( <https://wasifarmanhaque.github.io/> )

**A Laser Defender game with Unity** - A simple 2D space shooter game using C# on the Unity engine.

**Others** - Data cleaning and visualization projects using Python on some publicly available datasets. ( <https://github.com/wasifarmanhaque> )

**Machine Learning** - Successfully completed the course offered by Coursera through Stanford University.

## Awards

- **Vice Chancellor's Gold Medal** - awarded for completing undergrad with the highest CGPA of the graduating class.
- **1st place** in Intra-University Programming Contest, 2015.
- **Dean's List** - awarded six times for outstanding academic performance.

## Societies & Other Activities

- Participated in seven national programming contests, including two ACM ICPC regionals.
- Conducted regular programming contest training sessions and on-site contests.
- Former General Secretary, BRAC University ACM Student Chapter.
- BRAC University Computer Club.