

Mohammad Samiul Arshad

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EDUCATION

University of Texas at Arlington

Pursuing Ph.D. in Computer Science and Engineering

Supervisor: Dr. William J. Beksi

Research Field: Deep Learning, Robotic Vision, Artificial Intelligence

Current GPA: 3.60/4.00

Arlington, TX

Aug. 2016 - Jan. 2021 (expected)

Shahjalal University of Science and Technology

B.S. in Computer Science and Engineering

Overall GPA: 3.62/4.00

Sylhet, Bangladesh

Sep. 2009 - Dec. 2013

EXPERIENCE

· University of Texas at Arlington

Graduate Teaching Assistant

Arlington, TX

Aug. 2016 - Present

- Fall 2016 - Spring 2018: Intermediate Programming.
- Summer 2018: Distributed Systems.
- Fall 2018 - Spring 2019: Design and Analysis of Algorithms and Data Structures.

· TwinBit Limited

Software Engineer

Dhaka, Bangladesh

Jan. 2015 - Aug. 2016

- Platform and Programming Language: iOS, Objective C.
- Responsibilities: Design and development of several apps using MVC architecture.

PUBLICATIONS

- Angur M. Jarman, **Mohammad Samiul Arshad**, Nashid Alam, Mohammed J. Islam, "An Automated Bengali Sign Language Recognition System Based on Fingertip Finder Algorithm" In International Journal of Electronics and Informatics (IJEI), Volume: 4, Issue: 1, July 2015.

PROJECTS

- **3D Synthetic Scene Generation in Point Cloud:** Currently working on a pipeline to generate synthetic point cloud scenes that could be beneficial to 3D object classification and segmentation.
- **Tic-Tac-Toe with Reinforcement Learning:** Developed and trained two agents to play Tic-Tac-Toe as part of Advanced Multi-Agent System class project.
- **Real Time Face Recognition:** As part of Neural Network class project, worked to build a CNN model to identify classmates in real time.
- **MNIST Classification:** Built a model to classify MNIST dataset as a part of class project for Neural Networks.

PROGRAMMING SKILLS

- Languages: Python, Java, C++, Matlab, Objective C.
- Deep Learning Frameworks: Tensorflow, Keras.