

Employment

Teaching Assistant **The University of Texas at El Paso** **Summer 2014 – Present**

In charge of the lab section. Responsibilities include regularly communicating with the students through verbal and electronic means. Courses: Data Structures, Elementary Data Structures and Algorithms.

Research Assistant **Intelligent Agents and Strategic Reasoning Lab** **Summer 2014 – Present**

Participated in an annual international competition of designing a broker agent that buys and sells energy to maximize profit. In the team project, worked on forecasting the future customer demand so that the agent can buy optimum amount of energy. Used machine learning algorithms to accomplish the task.

Research Assistant **Interactive Systems Group** **Fall 2014 – Spring 2014**

Worked in team of researchers to figure out how action affects prosody. Designed and ran experiments, collected data. We applied Principal Component Analysis on the data to figure out new dimensions that describe relationship between prosody and action. Manually interpreted the newly found dimensions.

Software Engineer **Mir Technologies** **August 2013 – June 2014**

Extracted reusable components of an android app that lets the user call from internet to phone. The app was written in C++ and JAVA. Using the reusable components reverse engineered an app for iOS. Objective-C, C++.

Software Design Engineer **Hi-Tech Bangla, Inc** **June 2012 – July 2014**

Took part in requirement collection, analysis, system design, development, team management and presentation for a networked ground based air traffic controller simulator for Bangladesh Air Force. JAVA.

Education

El Paso, TX **The University of Texas at El Paso** **Fall 2014 – Fall 2016 (Expected)**

- M.S. in Computer Science. GPA: 3.8
- Coursework: Computer Architecture; Advanced Algorithms; Artificial Intelligence; Categorical Data Analysis; Human Computer Interaction; Voice User Interface; Risk Analysis; Graduate Research Methods.

Dhaka, BD **Bangladesh University of Engineering and Technology** **May 2007 – Apr 2012**

- B.S. in Computer Science. GPA: 3.54.
- Coursework: Software Development; Data Structures; Operating System; Database; Object Oriented Programming Language; Structured Programming Language; Algorithms; Computer Networks; Machine Learning.

Technical Experience

Projects

- **Phone Based Coffee Ordering System** (2015). An automated system that receives the phone call of a customer, gives them a menu, takes order from them and notifies the authority. PHP, MySQL, VXML.
- **Automated Poker Playing Agent** (2015). A successful poker playing agent (first place) for the tournament of Artificial Intelligence class. JAVA, Breadth First Search, Dijkstra's algorithm.
- **Tomasulo's Algorithm Simulator** (2016). System architecture level instruction execution simulator. C.

Languages and Technologies

- Java; C++; C; Objective-C; SQL.
- Eclipse; XCode; Visual Studio.
- Windows; Mac OS.