

EDUCATION

Tufts University, School of Engineering, Medford, MA

B.S Computer Science 2018

Dean's List: Spring 2015, Fall 2016

Maple Leaf International School, Dhaka, Bangladesh

Edexcel GCE A-Level 2013

Edexcel IGCSE O-Level 2011

RELEVANT COURSEWORK

CURRENT

Databases, Web Engineering, Computational Theory, Statistics and Probability

COMPLETED

Data Structures, Algorithms, Machine Structure & Assembly Language, Discrete Mathematics, Web Programming, Introduction to Computing in Engineering, Introduction to Electrical Systems, Digital Logic

INDEPENDENT/MOOC

Harvard CS50: Introduction to Computer Science (edX), Server-side development with Node.js (Coursera), Ruby on Rails: An introduction (Coursera)

PROJECTS

STUDYROOM

Web application for a platform that allows students to find group study partners for their college courses

Languages/technologies: Javascript, HTML/CSS, Bootstrap, Node.js, Express.js, Passport.js, MongoDB

TUFTS HOUSING PORTAL

Web application for a housing portal at Tufts University which lets students rate, post reviews and find information on all on-campus dormitories

Languages/technologies: Python, HTML/CSS, Django, Bootstrap, SQLite, Google Maps API

UNIVERSAL MACHINE

Software implementation/ emulator of a virtual machine capable of performing simple operations

Languages/technologies: C

IMAGE COMPRESSOR/DECOMPRESSOR

Program that reads in a PPM image file and compresses it into a file containing 32-bit packed words which it can decompress back into the original image

Languages/technologies: C

FREEHUB

Web application that lets users track and post about events where free food will be served

Languages/technologies: Javascript, HTML/CSS, Node.js, Express.js, MongoDB, Google Maps API

EXPERIENCE

JAAGO FOUNDATION

Office Intern

Dhaka, Bangladesh

Jan 2014 to Mar 2014

- Monitored and posted contents on the organization's social networking sites
- Maintained member database via Excel Spreadsheet
- Invited guests and volunteers to the organization's official events by phone and email

SKILLS

PROGRAMMING LANGUAGES: C/C++ (Proficient), Javascript (Proficient), HTML/CSS (Proficient), MATLAB (Proficient), Python (Familiar), Ruby (Familiar), R (Familiar), x86 Assembly (Familiar)

DATABASES: MongoDB, SQLite, PostgreSQL

TECHNOLOGIES: Git, Heroku, RESTful web services, Linux, Virtual Machines, Django, Node.js, Express.js, jQuery, Passport.js, Bootstrap, LaTeX, Microsoft Office

LANGUAGES SPOKEN: English, Bengali