Munthasir Islam

3360 Chichester Avenue, Apt. J11, Upper Chichester, PA, 19061
munthasir.islm@gmail.com
(646)717-7413

EDUCATION

Boston University, Metropolitan College**,** Boston, MA   March 2022 - Current
M.S. Software Development

Stony Brook University, College of Engineering, New York, NY   September 2015 - December 2020
B.E. Computer Engineering

WORK EXPERIENCE

The Boeing Company, Ridley Park, PA   July 2020 - Current
Software Engineer

- Worked with an agile team to design and develop new software features for V22 Osprey Tiltrotor Aircraft. Worked on redesigning and upgrading Flight Control System software.
- Effectively coded software changes and alterations based on specific design requirements.
- Effectively addressed complex bugs in the software programs.
- Wrote automated testing software for efficient testing.
- Developed and presented findings and solutions to audiences including Agile lead, Manager and Head of Test Development.

The Boeing Company, Seattle, WA   June 2019 - August 2019
Computer Engineer/Flight test intern

- Designed a web-app for the team which goes through multiple memory layers of code to find relationships between variables and plane models.
- Worked closely with senior software developers to develop tools to help advanced flight testing team.

Emerging Scholars, New York, NY   March 2016 - June 2016
Back-End developer

- Worked on Table of content module of iPractice: An AIG-enabled platform for self-assessment systems using Flask, a micro web framework.
- Create a dynamic user friendly Table of content module which could be created and edited without any knowledge of programming.

Relevant courses:

Programming languages:
- Object-oriented programming and data structure based on Java, C++, Python, C, Assembly, Ada, VHDL, Verilog, Mathlab, JavaScript, CSS, HTML.

Data Structure with Java & Java fundamentals:
- Learned to program applications of data structures; stacks, queues, lists, binary trees, heaps, priority queues, balanced trees and graphs, Fundamental sorting and searching algorithms.
- Designed a Chess game and Minesweeper Game using GUI(Java FX).
- Learned the concept of object classes, encapsulation, information hiding, inheritance, polymorphism, file I/O, and exceptions, JDBC .

Senior Design:
- Proposed a project, assembled and led a team for the senior design project.
- Grab and Go store. Build a system for a store which operates similar to Amazon Go store.

Real Time Operating System:
- Multiple processes, interprocess communication, real-time process scheduling, memory management, virtual memory, file system design, security, protection, and programming environments for real-time systems.

Computer Architecture:
- Design a four staged pipelined multimedia unit using RISC architecture similar to Sony Cell SPU and Intel SSE architecture.