Seaqueue Cheng

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Availability: July – December 2022

Education

Northeastern University, Boston, MA   Sept. 2020 – Dec. 2023(expected)
Khoury College of Computer Sciences
Candidate for Bachelor of Science in Computer Science
Coursework: *Fundamental of Computer Science 1 & 2 | Theory of Computation | Object-Oriented Design*
                        Foundations of Cybersecurity | Computer Systems | Network and Distributed Systems
                        Calculus 3 | Intro to Math Reasoning

University of Massachusetts Boston, Boston, MA   Sept. 2018 – May 2020
Bachelor of Science in Computer Science
Coursework: *Introduction to Computing (Python) | Data Structures (Java) | Programming in C*
                        Calculus 1 & 2 | Linear Algebra
Honors: *Merit Scholarship (Oct. 2019) | Dean's List (Jan. 2020)*

Computer Knowledge

Languages: *Proficient:* Java | Python | C   *Familiar:* Assembly | SQL | Racket | HTML
Software: MacOS | Git | IntelliJ | Eclipse

Projects

Self-Learning: [Extended learning beyond courses on Github.](#) | sea-queue.github.io
Distributed Network: Built the Bridge, Router, TCP like Protocol, Web Crawler and Raft Consensus in Python.
                        They transfer messages in JSON style in a contrived set-up.
Computer System: Built the Shell, Memory Allocator and Filesystem in C. Using sys-calls such as fork,
                        execvp, sbrk and mmap; data structures such as linked list and bitmap.
GUI Image Enhancement: Created a GUI image processing application that allows users to load, process, and save
                        images in Java. It also follows MVC design pattern.
Marble Solitaire: Applied Model-View-Controller concept on implementing Marble Solitaire Game in Java.
Maze Game: Designed a Maze Game that applies minimum spanning tree, Union Find, Breadth and
                        Depth first search in Java with a partner.

Experiences

University of Massachusetts Boston, Boston, MA
Tutor for Calculous 1 & Data Structures (Java)   Sept. 2019 – July 2020
- Held 10+ hours per week of one-on-one tutoring.

SAA International *(pilot training school)***,** San Diego, CA   April 2018 – Aug. 2018
Owner Assistant
- Joined meetings between the owner and different departments such as foreign airline managers, pilot instructors, maintenance group, etc. Learned about pilot training process.
- Helped Chinese student-pilots get involved with local community outside of classes, such as driving them to local farmers' markets.

Interests

Kickboxing | Planking | Soccer | Basketball | Rubik's Cube