

Seaqueue Cheng

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Availability: July – December 2022

Computer Toolkit

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

Projects

Self-Motivated-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 and supports CLI -instructions.

Marble Solitaire: Applied Model-View-Controller concept on implementing Marble Solitaire Game in Java. Users play it with CLI.

Maze Game: Designed a Maze Game that applies minimum spanning tree, Union Find, Breadth and Depth first search in Java with a partner.

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* | *Object-Oriented Design* | *Foundations of Cybersecurity*
Computer Systems | *Network and Distributed Systems*

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*

Honors: *Merit Scholarship (Oct. 2019)* | *Dean's List (Jan. 2020)*

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.

Interests

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