Seaqueue Cheng

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Availability: July – December 2022

Education

Northeastern University, Boston, MA   Sept. 2020 – Jan. 2024 (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](#)
Shell: Built the Shell in C by using fork, execvp, etc. that supports redirection and piping.
Bridge & Router: Built the Bridge and Router in Python that successfully transfer messages in JSON style
                                     to other LANs and Networks.
GUI Image Enhancement: Created a GUI image processing application that allows users to load, process, and save
                                     images in Java. It also displays histograms after each process.
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
- Learned about entire pilot training process by joining meetings between the owner and local universities' pilot program or foreign airline managers for cooperation, pilot instructors for students' conflicts, maintenance group for aircrafts' status, etc.
- Helped Chinese student-pilots get involved with local community outside of classes, such as driving them to local farmers' markets, Carving Pumpkins on Halloween, and holding conversations room to room to understand their needs better.

Interests

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