

# Seaqueue Cheng

(425)615-2688 | Boston, MA 02119 | [cheng.qian@northeastern.edu](mailto:cheng.qian@northeastern.edu)

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](http://sea-queue.github.io)

Shell: Built the Shell in C by using fork, execvp, etc. that supports redirection and piping.

Bridge & Router & TCP: Built the Bridge, Router, and TCP like Protocol 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*