

# Seaqueue Cheng

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Availability: TBD

## Computer Toolkit

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Languages: *Proficient:* Java | Python | Flask & SQLAlchemy | HTML + CSS + JavaScript + React/JSX  
*Familiar:* C | Assembly | C++ | SQL | Racket  
Software: MacOS | GitHub & GitLab | IntelliJ | Eclipse | PyCharm | VS Code

## Experiences

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### Seminaut Inc, San Marcos, TX

Full Stack developer / full time

July. 2022 – present

- added the following features to Guild Website for frontend & backend:  
Event Cost and Pot Value | filtering on Events by Date, Cost, Pot, Distance, etc.

### 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.

## Projects

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Self-Motivated-Learning: [Extended learning beyond courses on Github.](#) | [sea-queue.github.io](https://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.

Image Enhancement: Created a GUI image processing application that allows users to load, process, and save images in Java. It follows MVC design pattern and supports CLI-instructions.

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

## Education

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Northeastern University, Boston, MA

Sept. 2020 – Dec. 2023(expected)

### Khoury College of Computer Sciences | Undergraduate

Coursework: *Fundamental of Computer Science 1 & 2* | *Object-Oriented Design* | *Foundations of Cybersecurity*  
*Computer Systems* | *Network and Distributed Systems* | Math Reasoning | Calculous 3

University of Massachusetts Boston, Boston, MA

Sept. 2018 – May 2020

Coursework: *Introduction to Computing (Python)* | *Data Structures (Java)* | *Programming in C* | Calculous 1 & 2

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

## Interests

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