

# Seaqueue Cheng

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Availability: July – Dec. 2023

## Computer Toolkit

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Proficient:	Java   Python   React (HTML + CSS + JS/TS)   PostgreSQL   SQLAlchemy   Pandas   Plotly
Familiar:	Racket   C   Lean   Assembly   C++
Software:	MacOS   GitHub & GitLab   IntelliJ   PyCharm   VS Code   Jupyter

## Experiences

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### Seminaut Inc, San Marcos, TX

Full Stack developer / full time: <https://guildgaming.gg/> July 2022 – Dec. 2022

- Added the following features to Guild Website for frontend & backend:  
Showing Event Cost, Pot Value Badge System according to users' interactions with the website.  
Filtering on Events, Venues and Articles by Date, Cost, Pot, Distance, etc.  
Designed MVP of Post System for users to post that are viewable by his/her followers.
- Promoted to group leader of 9 teammates since Oct. 2022:  
Finished up the MVP of Post System.  
Designed the structure of Bracket System for tournaments.

### University of Massachusetts Boston, Boston, MA

Tutor for Calculus 1 & Data Structures (Java) Sept. 2019 – July 2020

- Held 10+ hours per week of one-on-one tutoring.

## Projects

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Web development: <https://spring-plm.netlify.app/> Analyzing Pilots career data; display with a website.

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.

## Education

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### Northeastern University, Boston, MA

Sept. 2020 – May 2024 (expected)

#### Major in Computer Science at Khoury College

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

### University of Massachusetts Boston, Boston, MA

Sept. 2018 – May 2020

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

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

## Interests

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