

Shiou-Yong (Sean) Lin

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Education

University of Massachusetts Amherst

Bachelor of Science in Computer Science

Expected December 2027

Amherst, MA

- **Relevant Coursework:** Programming Methodologies and Scientific Computing, calculus w/ application to physics

Bunker Hill Community College (BHCC)

Associate of Science Candidate in Computer Science (GPA: 4.0/4.0)

Sep 2024 - Aug 2025

Boston, MA

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming
- **Awards:** Dean's List FA24 - SP25

Experience & Leadership

University of Massachusetts Amherst

Undergraduate Course Assistant

Jan 2026 – Present

Amherst, MA

- Supports faculty and graduate TAs in COMPSCI 220 *Programming Methodologies*, assisting with course logistics, curriculum organization, and examinations.
- Leads lab sessions alongside graduate TAs, answering students' questions and reinforcing core concepts in person.
- Holds office hours outside of lecture hours to provide individualized academic support and clarify course material.

Bunker Hill Community College

Founding President - BHCC Code Constructors Club

Boston, MA

- Provided a learning environment inclusive to students with no prior programming experience.
- Initiated in-club hackathons for friendly competition and to stimulate learning.
- Invited alumni and held workshops regarding problem-solving in programming and transferring to 4-year institutions.

Projects

Personal Blog Website | C++, Python

- Integrated BlueHost and WordPress for setting up the website, focusing on the blog post contents.
- Authored and published algorithmic-based coding problems, with explanations on approaches to solve these problems in English and Mandarin.

Pokémon Searcher | Spring Boot, SQL, HTML

- Constructed a web application to allow users to search Pokémon information using their indexes.
- Implemented HTML and CSS for formatting search, result, and error pages.

Technical Skills

Languages: C++, C#, Java, Python, TypeScript

Technologies: Spring Boot, Streamlit

Concepts: Compiler, Database Normalization

Achievements

- ACE Mentor Skill Badge
- Distinction - Grade 8 Tuned Percussion - Associated Board of the Royal School of Music
- Merit - Grade 8 Piano - Associated Board of the Royal School of Music

Social Engagements

Founding President: Of BHCC Code Constructors Club

Volunteer: as examiner at BHCC Spring 2025 Problem-Solving and Programming Contest