

# Seoyun “Yuni” Jeong

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## EDUCATION

University of Massachusetts Amherst

September 2020 — December 2023

Bachelor of Science in Computer Science | Bachelor of Science in Mathematics

GPA: 4.0 | Dean's List all semesters, Chancellor's Award

Coursework: Computer Simulation, Web Programming, Data Management, Computer Networks, Operating Systems, Machine Learning, Data Science, Artificial Intelligence, Statistics

## EXPERIENCE

Co-President | BUILD UMass

September 2022 — Present

Pro-bono Tech Consulting Club; Ranked 4th Favorite Student Club On Campus (2022)

Amherst, MA

- Acquired 8+ software development projects for startups/nonprofits and successfully matched 70+ students per semester to each.
- Developed a curriculum of workshops and activities geared towards cultivating the hard and soft skills of the members.
- Streamlined and directed club recruitment by revamping interview guidelines and implementing finer evaluation measures.

Tech Lead in Web Development | PHENOM

January 2022 — May 2022

Javascript, GeoJSON, Leaflet, HTTP/CSS, Google Spreadsheet, Client IT Support

Amherst, MA

- Tech lead for team of 5 that implemented an interactive co-sponsorship map for PHENOM, a nonprofit for free public education.
- Utilized JavaScript, Leaflet, GeoJSON to dynamically identify MA legislators who support PHENOM based on its database.
- Led weekly team standup and managed team's codebase on GitHub, and deployed the end product in a timely manner.

Frontend Developer | Student Government Association (SGA)

September 2021 — May 2022

Javascript, React.js, HTML/CSS3

Amherst, MA

- Built a product introduction website of a yearbook project for UMass Amherst's SGA and reached 500+ orders in May.
- Used React.js and CSS3 media queries to create an adaptable website that delivered a tailored style for different-sized devices.
- Curated and managed website content with SGA, according to yearbook ordering status and project timeline.

Undergraduate Course Assistant | Computer Science Department

February 2022 — Present

Programming Methodology, Data Management, Leadership Practicum: Peer Tutoring

Amherst, MA

- Assisted 350+ students and instructors in intermediate CS courses by holding office hours, grading, and handling course logistics.
- Automated attendance taking by creating check-in forms compatible with school's LMS, saving time and paper for the course staff.

## PROJECTS

Simple File System | C++, Linux OS

December 2022

- Programmed a UNIX-like persistent file system using serialization techniques to read/write binary structures in files.
- Maintained a directory using superblock with free block list, inodes list, and direct block pointers.
- Supports creating, reading, writing, and deleting files by allocating and deallocating free blocks in the disk.

VLSM Addressing Scheme Design Calculator | Python

December 2022

- Implemented subnetting program that follows the VLSM scheme and optimizes available IP address space by minimizing host bits.
- Given a base address and each subnet's expected capacity, returns subnet ID, subnet mask, IP address range, and broadcast address.
- Developed as a supplementary resource for the Computer Networks course at UMass Amherst.

CollabBoard | Python, Flask, Twilio API

August 2022

- Built a collaborative whiteboard that multiple users can edit simultaneously with Python, Flask, and Twilio Sync.
- Drawings made on one browser are immediately reflected on others. Locally, user can change brush color and clear whiteboard.

Foodies | Kotlin, Android Studio, Yelp API, Facebook SDK

February 2022 — April 2022

- Launched Android app 'Foodies', enabling food lovers to network while discovering new restaurants and dining together.
- Created and implemented UI design on Android Studio and initiated producing thorough project documentation.
- Won the 1st Place Award and Most Original Award in the final Demo Day presentation of CodePath Android Kotlin University.

## SKILLS & INTERESTS

**Programming** Python, JavaScript, SQL, C/C++, Java, Kotlin, HTML, CSS  
**Technology** React, GitHub, Node.js, Express.js, Asana, Slack, Linux  
**Interests** Digital drawing, reading books, brewing tea, playing with my cat