

# Andrea Son

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San Francisco, CA | Boston, MA • July - December 2025

## EDUCATION

**Northeastern University** | Boston, MA | Khoury College of Computer Sciences September 2023 – Present  
*Candidate for Bachelors of Science in Computer Science, Minor in Computer Engineering, May 2027*

**GPA:** 3.65 / 4.00 | Dean's List

**Relevant Courses:** Logic & Computation | Object Oriented Design | Discrete Structures | Linear Algebra & Diff Eq's

**Activities:** AI Club | CTF Club | Green Line Records | Recreational Climbing Club | Taekwondo Club

**Study Abroad:** American College of Thessaloniki, Greece

## TECHNICAL SKILLS

**Languages:** Java | JavaScript | Python | C++ | Racket | ACL2 | CSS | HTML

**Software:** Eclipse | IntelliJ | VSCode | PyCharm | Gamemaker | SolidWorks | AutoCAD | ArduinoIDE

## PROJECTS

**Steganographic Password Manager** | Java | January 2024 – Present

- Designing an encryption algorithm app that encrypts user-uploaded images into text to generate and house passwords associated with an account login
- Applying the encryption method of steganography to generate encryption keys to ensure secure password generation

**AI Spotify Buddy** | Python | JavaScript | HTML | CSS | December 2024 – Present

- Incorporating Spotify's Web API and OpenAI's API onto a web app capable of recommending tailored songs to a user based on Spotify metadata and historical dislikes, likes, or "super-likes" of song recommendations
- Learned fundamentals of authorizing/integrating programs using APIs and collecting/managing user data

**Portfolio Site** | CSS | HTML | JavaScript | December 2024 – January 2025

- Self-taught CSS, HTML, and JavaScript to implement a frontend and backend stack portfolio website that emulated key functionalities of a Windows 95 desktop

**Cornerstone of Engineering Project** | C++ | Python | Arduino | SolidWorks | AutoCAD | April 2024 – May 2024

- Created 3D models to simulate rover landings on Mars as a travel museum exhibit for elementary school students where students could drop and interact with models and see their effectiveness
- Incorporated an electrical circuit, an Arduino program in C++, and a python script to automatically display educational videos as students move throughout the exhibit

## EXPERIENCE

**Teacher's Assistant for Cornerstone of Engineering** January 2025 – Present  
Northeastern University | Boston, MA

- Mentor students on assignments during hour long, weekly office hours for a section of 35 students
- Grade assignments and provide personalized feedback for areas of improvement

**Encounter Leader | Big Brother** August 2022 – June 2023  
Junipero Serra High School Campus Ministry | San Mateo, CA

- Directed overnight retreats: delivered speeches to groups of up to 60 seniors and adults supervisors, led small group discussions, managed timeline of activities as one of two hosts, and supervised recreational activities
- Supervised monthly, self-reflective discussions of 25 underclassmen

## INTERESTS

Backpacking | Climbing | Traveling | Cooking | Cats | Guitar | Music Composing | Singing | Analogue Media | Collecting CDs | Taekwondo