Julie Lam

Boston, MA & New York, NY | lam.jul@northeastern.edu | (917) - 200 - 1112 | Availability: May–Dec 2024 | GitHub | LinkedIn

EDUCATION

Northeastern University | Boston, MA September 2022 - Present
Khoury College of Computer Sciences Expected May 2026
Candidate for Bachelor of Science: Computer Science and Design **GPA**: 3.58/4.00
Relevant Courses: Web Development, Human-Computer Interaction, Algorithms & Data, Object-Oriented Design, Game Programming, Color & Composition

Baruch College Campus High School | New York, NY September 2018 - June 2022
Relevant Courses: Computer Technology, AP Statistics, AP Physics **GPA**: 4.00/4.00

TECHNICAL KNOWLEDGE

- **Languages:** Java | JavaScript | TypeScript | Racket
- **Tools:** Git | Visual Studio | IntelliJ | Eclipse | Unity | Adobe Creative Cloud | Heroku | Microsoft Office Suite
- **Operating Systems:** MacOS (Catalina, Big Sur) | Windows (10, 11) | Linux (Ubuntu 18.04)

PROJECTS

AI Travel Itinerary December 2023 – February 2024
- Designed the low-fidelity prototype with **Figma**, encompassing both graphical elements and textual contents.
- Collaborated with 3 peers to develop an intuitive travel planning app using **React.js**, **Node.js**, **HTML**, and **CSS**. The application simplifies trip organization for individuals and groups, integrating generative AI to enhance the user experience.

Kanbas Project (Recreation of the Educational Platform Canvas) December 2023 – April 2024
- Developed a Canvas-like educational platform using **JavaScript** frameworks, enhanced with **Redux** for state management and **RESTful API** integration for seamless data exchange.
- Deployed on **Heroku** and **Render** with a **MongoDB** backend.
- Crafted responsive interfaces with **HTML**, **CSS**, and **Bootstrap**, ensuring optimal usability across various web interfaces.

Digital Bullet Journal June 2023
- Constructed a weekly planner with **Java** to track and organize daily tasks and events.
- Applied **object-oriented design** principles effectively by utilizing the Model-Controller-View (MVC) model and adhering to the **SOLID** design principles.

The Maze Game May 2023
- Implemented a mini maze-solving game with **Java** that can be played by the player or solved automatically.
- Utilized the **Breadth-First Search** and **Depth-First Search** algorithm to complete the automatic maze-solving process.

EXPERIENCE

Senior Legacy Project | New York, NY October 2021 - April 2022
Executive Member of the Graduation Committee
- Conceptualized the Senior Legacy Project to commemorate the graduating class of 2022.
- Communicated closely with all **5** advisories to evenly distribute work and supplies among 120+ students.

Chinese Culture Club | New York, NY October 2018 - April 2022
Vice President
- Collaborated with the school to present about cultural diversity for 3 consecutive years.
- Co-founded the Chinese Culture Club in a community setting, independent of an academic environment. Held workshops through NYPL to eliminate and clarify misconceptions against the AAPI community amid the pandemic.

P.S. 126/MAT (Former Middle School) | New York, NY October 2015 - June 2018
Graphic Designer & Teacher Assistant
- Assisted in redesigning logos on the school's clothing and negotiated the budget with manufacturers.
- Supported the development of **20+** lesson plans, utilizing the Microsoft Office Suite for content organization and presentation.

ADDITONAL SKILLS & INTERESTS

- **Language:** Native Fluency in Mandarin, Fujianese, Cantonese
- **Interests:** Bullet Journal, Book Reviews, Calligraphy