

Lily Shiomitsu

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Availability: January - August 2025

EDUCATION

Northeastern University

Boston, MA

BS in Computer Science, concentration in Artificial Intelligence, minor in Spanish

Sep. 2022 - May 2026

Cumulative GPA: 3.9/4.0

Awards: Honors Program, Amelia Peabody Scholarship, Dean's List (all semesters)

Relevant Coursework: Algorithms and Data, Machine Learning and Data Mining 1, Object-Oriented Design, Computer Systems, Engineering LLM-integrated Systems, Database Design, Foundations of Cybersecurity

Activities: Teaching Assistant for CS 3000: Algorithms and Data and CS 1800: Discrete Structures, Electric Racing Club, Pep Band, Symphony Orchestra, NUWIT

Study Abroad: Spanish Language and Argentinian Culture in Buenos Aires (Summer 2023)

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, TypeScript, HTML/CSS, C, Assembly, Racket

Libraries: pandas, NumPy, Matplotlib, scikit-learn

Developer Tools: IntelliJ IDEA, Git, Docker, Kubernetes, VS Code, Visual Studio, Gradle, Eclipse

Operating Systems: MacOS, Windows, Linux

EXPERIENCE

Software Engineering Intern

May 2024 – Aug. 2024

Ultimate Kronos Group (UKG)

Lowell, MA

- Developed, implemented, and tested JUnit backend solutions for software defects using Java in IntelliJ IDEA
- Created and maintained Swagger API documentation, ensuring accurate representation of backend services
- Conducted pseudo-locale testing to verify the localization readiness, identifying and resolving potential issues
- Participated in daily standup meetings and sprint planning sessions within an Agile framework

Artificial Intelligence/Machine Learning Fellow

May 2024 – Present

Massachusetts Institute of Technology

Cambridge, MA

- Earned a Machine Learning certificate from Cornell University through a program hosted by the MIT Schwarzman College of Computing in collaboration with Break Through Tech
- Collaborating with a team of 5 and a mentor to design and implement a LLM for Dropbox.
- Focused on developing a solution that enables users to interact with and query uploaded documents, enhancing document accessibility and usability.

Information Technology Training Co-op

Jan. 2024 – May 2024

Coverys: Medical Liability Insurance & Risk Solutions

Boston, MA

- Created engaging articles, videos, and courses for software updates using SharePoint, Camtasia, Snagit, Audiate
- Facilitated seamless onboarding sessions for new hires, delivering hands-on introductions to key applications
- Redesigned outdated SharePoint sites to enhance user navigation and updated links to essential resources

PROJECTS

Personal Website | *HTML, CSS, JavaScript, VS Code*

- Utilized HTML and CSS to create a clean, user-friendly layout, showcasing experiences, skills, and projects
- Ensured cross-browser compatibility for a seamless user experience

Bullet Journal | *Java, Gradle, IntelliJ IDEA, JUnit, JavaFX, GitHub*

- Developed a comprehensive bullet journal application, allowing users to create, load, and customize journals
- Implemented category creation, dynamic progress bar, seamless entry editing, deletion, and weekly task management

Battle Salvo | *Java, Gradle, IntelliJ IDEA, JUnit, GitHub*

- Engineered a dynamic Battle Salvo game supporting both human vs. AI and AI vs. AI gameplay through a proxy server with boards and ships of varying sizes
- Applied MVC architecture to enhance code modularity and maintainability, ensuring a clean and scalable codebase
- Utilized JSON for seamless implementation of AI vs. AI battles, enabling efficient data exchange and processing