

Nicolas Ashizawa

Boston, MA | ashizawa.n@northeastern.edu | [linkedin.com/in/nickashi/](https://www.linkedin.com/in/nickashi/) | Available from July 2026

EDUCATION

Northeastern University (Khoury College of Computer Science)

Sept. 2021 – May 2026

Candidate Bachelor of Science in Computer Science

Boston, MA

GPA: 3.4/4.0

Activities: Japanese Student Association (Secretary, Regional Representative); Society for Asian Scientists/Engineers, Oasis (Collaborative Programming Org)

TECH SKILLS AND RELEVANT COURSEWORK

Technologies: Python, Java, Spring Boot, JavaScript, TypeScript, React, HTML (+ CSS, Tailwind), MySQL, PostgreSQL, Git/Github, Linux

Coursework: Full-Stack Software Engineering, Web Development, Basics of Cybersecurity, Computer Networking, Computer Architecture, Algorithms and Data, Object Oriented Design, Database Design, Computer Systems

WORK EXPERIENCE

Citizens Bank

January 2025 – Present

Software Automation Developer

Johnston, RI

- Developed and delivered end-to-end automations using primarily VB and HTML for saving clients 2100+ hours yearly
- Refactored and optimized legacy automations—enhancing performance, reliability, and code readability for future maintainability
- Collaborated with internal clients, solution architects, and developers to refine requirements and ensure workflow efficiency
- Developed reusable UiPath libraries to standardize common components and accelerate development
- Currently developing a UiPath application using VB backend logic to replace surface-level automation with API calls for CMOD document retrieval and manipulation

University of California, Irvine

June 2024 – October 2024

ICS Department Researcher/Software Engineer

Irvine, CA

- Built an interactive city-scale digital twin platform for disaster preparedness using C#, Unity, and Python as part of the NSF-funded IoT-SITY research program
- Developed rapid prototyping workflow integrating multiple APIs (PLATEAU SDK, CityGML, OpenStreetMaps) to create AI-enabled simulation agents
- Engineered scalable agent behaviors for 10,000+ entities, implementing real-time visualization and emergency scenario modeling
- Delivered working prototypes through iterative development cycles with weekly stakeholder demos

Code Ninjas (Programming Education Center)

May 2022 – March 2023

General Program Instructor | Bootcamps Director

Norwood, NJ

- Designed and delivered Python, JavaScript, and C++ curriculum for 150+ students across diverse skill levels

PROJECTS

AshiPFD | Java + Spring Boot, PostgreSQL, React, Tailwind CSS

November 2025 - Present

- Built a full-stack **Personal Finance Dashboard** from concept to deployment, featuring user authentication, transaction management, and data visualization for income/expense tracking
- Designed and implemented RESTful API with Spring Boot, enabling complete CRUD operations with input validation and error handling for robust user experience
- Developed responsive React frontend with custom Tailwind theme and real-time data synchronization, prioritizing intuitive UI/UX for seamless financial tracking
- Architected PostgreSQL database schema with JPA/Hibernate, optimizing queries for dashboard performance and data integrity

NU SkillMatch Platform | Python, Flask, MySQL, Streamlit

November - December 2024

- Designed and shipped a web platform enabling employers to post jobs and match candidates based on skillsets, serving Northeastern University's career services ecosystem
- Built RESTful API with Flask + MySQL to manage dynamic job postings and student profiles, with real-time skill comparison algorithms
- Created interactive Streamlit dashboard featuring data visualizations for skill gap analysis and match scoring, improving hiring efficiency