

Nicolas Ashizawa

Boston, MA | ashizawa.n@northeastern.edu | linkedin.com/in/nickashi/ | Available from July 2026

EDUCATION

Northeastern University (Khoury College of Computer Science) <i>Candidate Bachelor of Science in Computer Science</i> GPA: 3.4/4.0 Activities: Japanese Student Association (Secretary, Regional Representative); Society for Asian Scientists/Engineers, Oasis (Collaborative Programming Org)	Sept. 2021 – May 2026 <i>Boston, MA</i>
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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 <i>Software Automation Developer</i>	January 2025 – Present <i>Johnston, RI</i>
<ul style="list-style-type: none">Developed and delivered end-to-end automations using primarily VB and HTML for saving clients 2100+ hours yearlyRefactored and optimized legacy automations—enhancing performance, reliability, and code readability for future maintainabilityCollaborated with internal clients, solution architects, and developers to refine requirements and ensure workflow efficiencyDeveloped reusable UiPath libraries to standardize common components and accelerate developmentCurrently 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 <i>ICS Department Researcher/Software Engineer</i>	June 2024 – October 2024 <i>Irvine, CA</i>

- 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) <i>General Program Instructor Bootcamps Director</i>	May 2022 – March 2023 <i>Norwood, NJ</i>
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- Designed and delivered Python, JavaScript, and C++ curriculum for 150+ students across diverse skill levels

PROJECTS

AshiPFD <i>Java + Spring Boot, PostgreSQL, React, Tailwind CSS</i>	November 2025 - Present
<ul style="list-style-type: none">Built a full-stack Personal Finance Dashboard from concept to deployment, featuring user authentication, transaction management, and data visualization for income/expense trackingDesigned and implemented RESTful API with Spring Boot, enabling complete CRUD operations with input validation and error handling for robust user experienceDeveloped responsive React frontend with custom Tailwind theme and real-time data synchronization, prioritizing intuitive UI/UX for seamless financial trackingArchitected PostgreSQL database schema with JPA/Hibernate, optimizing queries for dashboard performance and data integrity	
NU SkillMatch Platform <i>Python, Flask, MySQL, Streamlit</i>	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