Shun Ueda

(203) 979–5285 ⋄ shu225@lehigh.edu

EDUCATION

Lehigh University   Bethlehem, PA
Dual Degree   Aug. 2021 – May. 2025 (Expected)
B.S. in Computer Science and Engineering
B.S. in Mathematics

SKILLS

- **Programming Languages:** JavaScript/TypeScript, Java, Python, Kotlin, Scala, C/C++, SQL
- **Web Technologies:** Node.js, React.js (Next.js), CSS, HTML, JSON, REST
- **Software Development:** Object-Oriented Programming, Functional Programming, Test-Driven Development
- **Database Technologies:** MySQL, SQLite, Postgres, Redis, MongoDB
- **DevOps/CI/CD:** Git, GitHub Actions, GitLab CI/CD, Jenkins, Docker, Apache, Kubernetes, Azure DevOps
- **Cloud Technologies:** AWS, GCP, Firebase, Azure
- **Testing Tools:** Jest, JUnit, Postman, Selenium
- **IDEs/Code Editors:** IntelliJ IDEA, VSCode, PyCharm

WORK EXPERIENCE

Software Engineering Intern   May. 2023 – Aug. 2023
Apple Inc.   *Seattle, WA*

- Developed a CI/CD pipeline for AI/ML department operations.

Software Engineering Intern   Jun. 2022 – Aug. 2022
Oncospace Inc.   *Baltimore, MD*

- Worked for Oncospace Inc., a Johns Hopkins Technology Ventures portfolio start-up, focused on developing a cloud-based, AI-driven platform supporting oncologists' treatment planning.
- Developed a Microsoft PowerApps Code component utilizing React.js and C# backend server.
- Orchestrated a CI/CD pipeline using Azure DevOps.

Full Stack Development Intern   Nov. 2021 – May. 2022
Itemize   *Syracuse, NY*

- Worked for Itemize, a start-up aiming to offer a comprehensive device assurance and management system for universities.
- Built a dashboard using React.js, working closely with designers.
- Conducted code reviews and UX research.
- Created unit tests using Jest and established a CI/CD pipeline using GitHub Actions and Jenkins.

Software Engineering Intern   June. 2021 – Aug. 2021
Tech For Good Inc.   *Sharon, MA*

- Led the "Mission Uplink" project, developing a 'cache-based Internet access' system for schools without Internet access in rural Nigeria and surrounding areas.
- Constructed a C/C++ server software for device tracking and management.
- Designed a web application to visualize device locations and conditions.
- Participated in discussions with local school officials; deployed five devices during the internship.
- Led backend and frontend development, contributing 150+ commits and conducting code reviews.

ACADEMIC EXPERIENCE

Undergraduate Researcher Jan. 2023 – Present
DAS Lab *Bethlehem, PA*

- Conducted research at DAS Lab, under Prof. Eric Baumer.
- Developed various scrapers and text analyzers to build a dataset.

Teaching Assistant Aug. 2022 – Dec. 2022
Lehigh University *Bethlehem, PA*

- Served as a teaching assistant for CSE 216 - Software Engineering, CSE 262 - Programming Languages
- Assisted, graded, and mentored students in two advanced-level courses

PROJECTS

aleutian Functional companion for JavaScript/TypeScript. it brings functional programming concepts and abstractions to the language. It provides tools and data types such as type classes, functional abstractions, and immutable data structures, enabling developers to write more declarative, composable, and type-safe code. Still under development. Source: GitHub

cloudcoach Participated in development of Cloud Coach, a training platform for Google Cloud technologies, using React.js. Access: cloudcoach.dev

website Website for Japanese Grace Church of New York, made with Next.js, along with Sass, and other technologies. Integrated headless CMS (prismic.io) for content management. Source: Github Access: jgclmi.com

PERSONAL INFORMATION

- Japanese Citizen
- US Lawful Permanent Resident (LPR)