

# SHUN UEDA

(203) 979-5285 | [me@shu.nu](mailto:me@shu.nu) | [linkedin.com/in/shunueda](https://linkedin.com/in/shunueda) | [github.com/shunueda](https://github.com/shunueda)

## EDUCATION

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### Lehigh University

B.S. in Computer Science & Engineering

August 2021 – January 2025

Bethlehem, PA

## EXPERIENCE

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### Apple

Software Engineering Intern

May 2024 – August 2024

Seattle, WA

- Developed the core logic for pipeline configuration query processing, enabling efficient and scalable configuration retrieval.
- Implemented multiple RESTful API endpoints for system monitoring and management, improving system reliability and reducing latency.
- Created a real-time visual dashboard for pipeline monitoring, enhancing team visibility and productivity.

### Apple

Software Engineering Intern

May 2023 – August 2023

Seattle, WA

- Designed and implemented CI pipelines integrating static analysis, unit testing, and code coverage tools, improving code quality for more than 200 teams.
- Enhanced pipeline resilience by adding automated failure recovery mechanisms and automated report generation with analyzed log data.

### Oncospace

Software Engineering Intern

June 2022 – August 2022

Baltimore, MD

- Developed a DICOM data processor using cornerstone.js, enabling real-time medical image visualization for oncologists.
- Streamlined deployment processes by implementing a CI/CD pipeline using Azure DevOps.

### Tech For Good Inc.

Software Engineering Intern

June 2021 – August 2021

Sharon, MA

- Developed a cache-based internet access solution using Squid, achieving a 600% increase in access speed.
- Automated deployment on Raspberry Pi devices using AWS CodePipeline & CodeDeploy.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript/TypeScript, Java, Python, Kotlin, Scala, C/C++, C#, SQL

**Frameworks & Libraries:** Spring Framework, Express.js, gRPC, Node.js, React.js, Next.js, Jest, JUnit, Mockito, Mocha

**DevOps & Infrastructures:** AWS (EC2, Lambda), Azure DevOps, Apache Kafka, GitHub Actions, Jenkins, Docker, Kubernetes, Temporal, Graphana

**Databases:** PostgreSQL, MySQL, SQLite, MongoDB, DynamoDB, Redis

**Tools:** Gradle, Maven, npm (yarn & pnpm), Conan, CMake, Babel, Webpack, Git

**Software Engineering:** Agile, Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP), System Design, Distributed Systems

**Operating Systems:** Linux