

SHUN UEDA

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EDUCATION

Lehigh University

B.S. in Computer Science & Engineering

Aug. 2021 – Dec 2024

Bethlehem, PA

EXPERIENCE

Apple

Software Engineering Intern

May 2024 – August 2024

Seattle, WA

- Spearheaded the design and implementation of a comprehensive visual dashboard for monitoring and managing CI/CD pipelines, enhancing real-time system insights and operational efficiency.

Apple

Software Engineering Intern

May 2023 – August 2023

Seattle, WA

- Designed and implemented CI pipelines to elevate code quality, incorporating tools for static analysis, unit testing, and code coverage.
- Developed and integrated multiple features into the pipeline, increasing robustness and improving user experience.

Oncospace

Software Engineering Intern

June 2022 – August 2022

Baltimore, MD

- Developed a cloud-based, AI-driven platform for oncologists' treatment planning at Oncospace Inc., a Johns Hopkins Technology Ventures start-up.
- Engineered a DICOM data processor for medical image visualization using cornerstone.js.
- Created a Microsoft PowerApps component with a React.js frontend and C# backend.
- Implemented a CI/CD pipeline using Azure DevOps to streamline development and deployment.

Tech For Good Inc.

Software Engineering Intern

June 2021 – August 2021

Sharon, MA

- Managed project Mission Uplink, leading a team of 8 developers to provide internet access to schools in underdeveloped areas of Nigeria and surrounding regions.
- Developed a cache-based internet access solution using Squid-cache, improving internet speed by 600%.
- Deployed the solution on Raspberry Pi devices, utilizing AWS CodePipeline and AWS CodeDeploy to automate and streamline the deployment process.
- Built a frontend application using React, TypeScript, and Node.js for deployment mapping and monitoring.
- Successfully deployed 5 instances across multiple schools, significantly enhancing educational opportunities.

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Scala, Python, C, C++, C#, SQL, JavaScript, TypeScript, HTML & CSS, Bash & Shell

Frameworks & Libraries: Spring Framework (Spring Boot, Spring Data, etc.), Express.js, Node.js, React.js, React Native, Redux, Next.js, Jest, JUnit, Mockito, Mocha

DevOps & Infrastructure: GitHub Actions, Azure DevOps, Jenkins, Travis CI, Kubernetes, Docker, Temporal

Databases: PostgreSQL, MySQL, SQLite, RDBMS, MongoDB, DynamoDB, Redis, CockroachDB

Cloud & Big Data: AWS (Lambda, EC2, DynamoDB, Cassandra, Kafka, etc.), Hadoop

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, Load Balancing, Distributed Systems, REST, GraphQL, OAuth

Operating Systems: Linux