SHUN UEDA

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EDUCATION

Lehigh University   August 2021 – December 2024
B.S. in Computer Science & Engineering   *Bethlehem, PA*

EXPERIENCE

Apple   May 2024 – August 2024
Software Engineering Intern   *Seattle, WA*

- Developed 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.
- Designed and implemented a real-time visual dashboard for CI/CD pipeline monitoring, increasing operational visibility and reducing debugging time.

Apple   May 2023 – August 2023
Software Engineering Intern   *Seattle, WA*

- Designed and deployed CI pipelines integrating static analysis, unit testing, and code coverage tools, enhancing code quality for more than 200 teams.
- Enhanced pipeline resilience by adding automated failure recovery mechanisms and comprehensive logging features.

Oncospace   June 2022 – August 2022
Software Engineering Intern   *Baltimore, MD*

- Developed a cloud-based, AI-driven treatment planning platform for oncologists, streamlining data analysis and decision-making.
- Engineered a DICOM data processor for medical image visualization using cornerstone.js, enabling real-time image processing.
- Built a Microsoft PowerApps component integrating a React.js frontend with a C# backend, improving user interaction capabilities.
- Streamlined deployment processes by implementing a CI/CD pipeline using Azure DevOps.

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

- Developed a cache-based internet access solution using Squid-cache, achieving a 600% increase in access speed.
- Automated deployment on Raspberry Pi devices using AWS CodePipeline and AWS CodeDeploy.
- Created a web-based dashboard for monitoring and managing the cache system, enhancing ease of use.

TECHNICAL SKILLS

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

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

DevOps & Infrastructures: AWS (EC2, Lambda), GitHub Actions, Jenkins, Kubernetes, Docker, Temporal

Databases: PostgreSQL, MySQL, SQLite, RDBMS, 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, REST, GraphQL

Operating Systems: Linux