

Luke Ward

(603) 362 - 2783 | wardlukeb@gmail.com | GitHub: DukeBWard | luke-ward.com

OBJECTIVE Seeking software engineering opportunities using strong programming skills in any listed language and technology.

EDUCATION

Rochester Institute of Technology, Rochester, NY Expected May 2024 (Can work Full Time starting January 2024)
Bachelor of Science, Computer Science GPA: 3.67/4.00

Honors & Awards: Dean's List Fall 2020, Dean's List Spring 2021, Dean's List Fall 2022, Dean's List Spring 2023

Related Courses & Experience: Introduction to Software Engineering and Problem Solving I & II, Web and Mobile I, Introduction to Cybersecurity, Analysis of Algorithms, Mechanics of Programming, Computer Science Theory, Scrum/Agile Workflow, Principles of Data-management, Parallel and Distributed Systems, Cryptography

SKILLS

Programming Languages & Frameworks: Java, Java Spring, C, Python, HTML, CSS, Java/TypeScript, Angular, Assembly, Pulumi

Technologies: Azure, Docker, AKS (Kubernetes), Jenkins, Grafana

Operating Systems: Linux/Unix, MS Windows, Mac OSX

PROFESSIONAL EXPERIENCE

Software Engineer - Information Security Intern

May 2023 - August 2023

Apple

Sunnyvale, CA

- Built out infrastructure automation using **Pulumi & TypeScript** as part of the Site Reliability Engineering and Cloud Engineering team
- Project was able to save internal engineers **24-48 hours of work per request**, delivering to customers up to **10 business days sooner**
- Utilized **mTLS, Docker, Asynchronous Computing, Grafana** and **Jira**
- Directly impacted and improved teams day to day functionality with project
- Collaborated with coworkers and interns from teams in Texas and China

Full Stack Engineer - Co-op

June 2022 - August 2022

Fidelity Investments

Merrimack, NH

- Collaborated with small scrum team to develop an internal facing test data service
- Directly impacted user experience by implementing accessibility features which lead to more interactions by Data Scientists
- Developed in a full stack manner, utilizing technologies such as **Angular** and **Java Spring REST API**
- Created custom **MySQL** queries to allow modularity within application, drastically increasing efficiency with Data Scientists
- Deployed application on **Azure Kubernetes (AKS)** cluster using **Jenkins** CI/CD pipeline

Course Assistant

August 2021 – August 2022

Rochester Institute of Technology

Rochester, NY

- Assisted students in Intro to Software Engineering with course work, helped tutor and mentor multiple sections.
- Scheduled meetings to help students with homework and projects.
- Acquired grading skills, improvement in giving constructive feedback and criticism.

Waterfront Director

June 2018 – August 2021

Southern District YMCA (Camp Lincoln)

Kingston, NH

- Supervised multiple Lifeguards, Counselors and Counselors in Training at the waterfront

PROJECTS

RSA Messenger, Personal Project

- Developed and integrated an implementation of **RSA** in **C#** environment
- Seamless ability to communicate securely with other users with asymmetric public key encryption
- Easy scalability and flexibility, with a **SQL** server that handles user data and message logging

Additional projects on my personal website! (See header)