

# Luke Ward

(603) 362 - 2783 | wardlukeb@gmail.com | GitHub: DukeBWard | [luke-ward.com](https://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 Consultant - Part time**

August 2023 - Present

*Cornerstone*

Remote (NH)

- Documenting **C and C++** code and upgrading deprecated features into modern day standards
- Build and packaging software for Hewlett Packard Enterprise used by 150+ companies

**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, decreasing time by **300% or more**.
- 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.

## 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)**