

Luke Ward

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OBJECTIVE Seeking a software engineering internship using strong programming skills in Java and Python. Available May 2023 – January 2023

EDUCATION

Rochester Institute of Technology, Rochester, NY

Expected August 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

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

SKILLS

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

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

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

PROFESSIONAL EXPERIENCE

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 2020

Southern District YMCA (Camp Lincoln)

Kingston, NH

- Supervised multiple Lifeguards, Counselors and Counselors in Training at the waterfront
- Created and maintained a new safety standard that was compliant to new Federal and State legislation due to the COVID-19 pandemic
- Promoted to Waterfront Director based on superior performance as Counselor and Cabin Lead.

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

Roommate Tinder, Brickhack 7

- Collaborated with a team of 3 to brainstorm an idea for RIT students to better the roommate finding experience
- Integrated **MongoDB** and **Google Cloud** services to store images and requests for users
- Worked front and back end; used **Node.js**, **express.js**, **HTML**, and **SCSS**

Additional projects on my personal website! (See header)