

Tamim Rahman

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Education

Ryerson University,

Sep 2019 - May 2023

Bachelor of Engineering, Computer Engineering with Software Specialization.

GPA: 3.93

Summary of Qualifications

- Proficient and experienced in Python, Java, Rust, C, and SQLite.
- Familiar with Git version control, object oriented programming, algorithm design, data structures, complexity analysis, Linux, and bash.
- Scope of Experience: Cryptography, computer vision, and data visualization.
- **Strengths:** Fast-paced learning, collaboration, and communication (oral / written).

Work Related Experience

Research Assistant (Cryptography) - Ryerson University

May 2020 - Present

- Collaborated with a team of developers to create an implementation of **SIKEp434** for 8-bit AVR microcontrollers using Rust and the relevant concepts of **abstract algebra**.
- Implemented the local bignum library and the supporting arithmetic functions.

Controls Developer - Ryerson Rams Robotics (R3)

Sep 2019 - Present

- Developed a python heat map to visualize radiation data for the Mars rover, resulting in a significant decrease in decision making time for operators.
- Created a python app to simulate incoming radiation data for the Mars rover competition leading to more robust testing and an expected decrease in AI development time.

Projects

Personal Portfolio Website, www.tamimrahman.dev

Developed a personal website using **HTML/CSS/JS** to showcase my side projects and experience. Deployed remote hosting with custom domain name and **https**.

Android - Pokédex, <https://github.com/t32rahman/pokedex>

Applied aspects of OOP in **Java** to create an android app that allows users to search up any pokémon and get the corresponding type, id, description etc.

Computer Vision aided Contactless Delivery, <https://github.com/t32rahman/CVDelivery>

A **python** project that implements OpenCV and VisionAPI to detect when a delivery has been made to a household and sends an email to the user with a picture showing the delivery.

Certifications

Cisco Certified Network Associate (CCNA)

Aug 2019 - Feb 2023

Certifies the ability to create and deploy networks that are reliable, secure, and scalable.

Solid understanding of network security protocols and implementation.