

Kelvin Rein

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EDUCATION

Carleton University

Ottawa, Canada

Bachelor of Computer Science, Co-op Program, Cumulative GPA: 3.40/4.00

Sept. 2020 – May 2025

Relevant Coursework – Java, Data Structures and Algorithms, Web Applications, C++, C

- **Google IT Support Specialization** (Credential - JXQ395MH8B5W) – Network Protocols, Network Model, DNS, Troubleshooting, Linux, Debugging.
 - **Rocket Academy Coding Boot Camp** (Credential - TRZUZKTUWQML) – Built web-based calculator and Blackjack game using JavaScript, HTML, CSS through pair-programming.
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EXPERIENCE

Carleton University – Computer Science Faculty

Ottawa, Canada

Teaching Assistant - Introduction to Programming (Python)

Jan. 2023 – Present

- Organized weekly tutorial sections for **200+ students** and familiarize them with **Python programming**.
- Mentored students during weekly office hours to help them understand the course materials.
- Assessed programming assignments and provided detailed feedbacks to **150+** students.

Carleton Artificial Intelligence Organization

Ottawa, Canada

Web Developer

Sept. 2022 – Present

- Designed and developed the organization's website using **HTML, CSS, PHP**, and a content management system.
 - Collaborated with executive team members to implement features and improve user experience.
 - Maintained and updated the website to ensure its security.
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PROJECTS

Inventory Management Web App (GitHub)

- Designed an **Express server** to manage the inventory using **REST API**.
- Utilized HTTP request methods to fulfill **CRUD** operations and implemented client-server relationship.
- Built the backend using **Node.js** and frontend using **Pug Template Engine** and **CSS**

Delivery App Backend (GitHub)

- Programmed the backend of a delivery app using **C++** with Object-Oriented Programming concepts.
- Applied **dynamic memory allocation** technique to store franchises and drivers in arrays.
- Implemented efficient **memory management** system to eliminate memory leaks and debugged using **Valgrind**.

Portfolio Website (Website)

- Developed a personal portfolio website using **JavaScript, HTML, CSS, and Bootstrap**.
 - Implemented a responsive and interactive design using "Particle Jekyll Theme" as a part of the website.
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LEADERSHIP EXPERIENCE & SKILLS

Workshop: Organized an in-person (on-campus) workshop with **60+ attendance** to share knowledge on the topic of "Natural Language Processing (NLP)" and introduced basic NLP libraries and common data pre-processing tasks.

Proficient in: Java, Python, C++, JavaScript, Node.js, HTML 5, CSS 3, MongoDB

Familiar with: C, SQL, Virtual machines; VirtualBox

Languages: Burmese (Native), English (Fluent/Bilingual)