

# Khun Thu-Rein

## SOFTWARE DEVELOPER

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## Education

### Carleton University

Ottawa, Canada

Bachelor of Computer Science B.C.S Major (Co-op)

Sept. 2020 – May 2025

**Relevant Coursework** – Java OOP, Discrete Structures I and II, Data Structures and Algorithms (**Java**), Fundamentals of Web Applications, Intro to Software Engineering (**C++**), System Programming (**C**)

**Google IT Support Specialization** (*Credential - JXQ395MH8B5W*) – A six-month course covering Network Protocols, Network Model, DNS, Troubleshooting, Linux, Debugging

**Rocket Academy Web Programming Basics** (*Credential - TRZUZKTUWQML*) – A six-week course covering the fundamentals of web programming by doing pair-programming to do projects

## Experience

### Webmaster

Ottawa, Canada

Carleton Artificial Intelligence Society

Sept. 2022 – Present

- Maintain and manage the website contents using **HTML**, **CSS**, and **PHP**
- Eliminated unnecessary codes to improve the UI and user-friendliness
- Help new members get familiar with the design of the website for further maintenance

### Teaching Assistant

Ottawa, Canada

Carleton University

Jan. 2023 – Present

- Host weekly tutorial sections for **200+** students and familiarized them with **Python** programming (OOP)
- Assist students during weekly office hours to help them understand the course materials

## Projects

### Menu template and Inventory Management

- Designed an **Express** server to manage the inventory and create a store menu
- Utilized HTTP request methods to fulfill **CRUD** operations and implemented client-server relationship
- Created a fully responsive and ready-to-use front-end design
- Used: JavaScript, Node.js, Express, Pug, CSS

### Sudoku Solver

Programmed a sudoku solver using **Backtracking Algorithm** with **Python** to take advantage of the brute-force nature of finding the solutions efficiently.

## Leadership Experience and Skills

**Workshop:** Hosted an in-person (on-campus) workshop to share knowledge on the topic “Introduction to Natural Language Processing (NLP)” and introduce basic NLP libraries and common data pre-processing tasks where more than **50+** university students attended.

Proficient in:	Java, Python, JavaScript, Node.js, HTML 5, CSS 3, MongoDB
Familiar with:	C, C++, Virtual machines; VirtualBox
Tools:	Git; GitHub, MS Office, LaTeX, Google Suite, Networking, Visual Studio
Languages:	Burmese (Native), English (Fluent/Bilingual)
Interests:	Blockchain Technology, Future Trading, NFTs, Soccer, Travelling and Tech products