

Klein Lester Cafa

cafaklein@gmail.com | linkedin.com/in/cafakleinn | github.com/cafakleinn | kleincafa.me

Objective

Motivated Computer Science student seeking a co-op position to apply and expand conceptual knowledge in software development with strong interests in artificial intelligence through hands-on experience.

Highlights of Qualifications

- Continuously improving proficiency in **Java**, **Python**, and **C++** across various IDEs while expanding expertise in full-stack web development with **HTML**, **CSS** & **JavaScript**, utilizing Git for version control.
- Implementing analysis of algorithms and data structures in object-oriented programming projects to ensure structure and efficiency.
- Applies critical thinking in programming lab projects by delivering agile development such as pair programming.
- Communicating effectively in guiding students by adapting different teaching methods in Taekwondo while collaborating with peers in academic environments.
- Practices time management between education and part-time employment responsibilities without compromising organization and attention to detail

Education

Bachelor of Science (Hons) - Computer Science Co-op
Ontario Tech University, Oshawa, ON

Expected Graduation: Apr 2027

- Relevant Courses: Software Design & Analysis, Software Systems Development and Integration, Computational Science I, Data Structures, Scientific Data Analysis, Discrete Mathematics, Computer Architecture, Programming Workshop I/II, Intro to Computer Science

Projects

SUSTAIN | Python, OpenAI API, Tkinter, SpaCy, Tiktoken, dotenv
Hackathon Project

Feb 2025 - Present

- Developing with a team of 4 to develop an environmentally friendly, token-optimized AI wrapper, reducing computing costs and enhancing productivity within a strict 3-day deadline.
- Demonstrating critical thinking and problem-solving skills to debug code and research solutions to implement iOS development using Swift in the future.
- Employing great attention to detail and written communication skills to develop a presentation explaining the benefits of the environmentally friendly AI wrapper that was awarded a top 10 finish and deployed as an open-source project.

LockIn | Java, JavaFX, Git, GitHub

April 2025

Software Systems Development & Integration Project

- Collaborated with a team of 4 to develop a productivity app for students to work in real time using multi-threading and sockets architecture.
- Implemented features like account creation, pomodoro timer, whiteboard, server chat and solving questions.
- Delivered demonstrations and functionality of the system running which included running the server, clients and basic functionality.

Aircraft Fatalities in the World 1908-2019 | Python, Matplotlib, Pandas, Seaborn
Scientific Data Analysis Assignment

Nov 2024

- Examined a data science problem to answer questions and solve problems in the form of a Jupyter Notebook.
- Implemented essential aspects of the data science workflow such as data locating, importing, cleaning, exploration and communication.
- Developed various graphs and illustrations using Matplotlib, Pandas and Seaborn to help readers understand complex data.

Battleship | Java, Git, GitHub

Jun 2023

Personal Project

- Expanded knowledge on object-oriented programming using encapsulation, inheritance and polymorphism that organizes data and objects.
- Learned front-end programming using JOptionPane, displaying text, customizing display and asking user input.
- Familiarized with debugging and testing methods using edge cases, developing coding standards.

Rocket Type Tester | Python, Git, GitHub

Nov 2021

Personal Project

- Implemented various libraries such as pygame to program a game in order to handle user input, display files, and process data.
- Learned problem solving techniques using test cases and handling edge cases to ensure the program runs smoothly for everyone.

Work Experience

Assistant Instructor

Sep 2021 - Present

Durham Taekwondo/Karate Martial Arts Inc.

- Enhance collaboration skills with other instructors to run multiple classes weekly.
- Motivate students to achieve goals by creating appropriate and sufficient lesson plans, adapting to each student's needs.
- Maintain skills from the curriculum and teachings to carry out proper instruction in classes.

Administrative Support

Mar 2020 - Present

Canadian Care Academy Inc.

- Assist administration responsibilities such as email communications, scanning, and organizing files to meet deadlines.
- Develop basic technical skills such as Microsoft Word, Excel and PowerPoint to create, edit, and maintain professional documents and reports.
- Facilitate troubleshooting skills to improve problem solving skills and keep tasks on track.