

# Klein Lester Cafa

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## OBJECTIVE

Motivated third-year Computer Science Co-op student seeking an Internship/Co-op opportunity to contribute technical skills in software development and build impactful, scalable solutions.

## EDUCATION

### Ontario Tech University

*Bachelor of Science (Hons) - Computer Science Co-Op*

**Expected Graduation – May 2027**

*Oshawa, ON*

## PROJECTS

### SUSTAIN | *Python, REST API, TKinter, SpaCy, Tiktoken, dotenv*

**Feb 2025 – Present**

- Built an environmentally friendly, token-optimized AI wrapper, reducing token usage by up to **100%** and cutting API costs.
- Developed a token optimization pipeline to summarize multiple LLM responses, improving performance and meeting strict output limits.
- Delivered a **top 10** hackathon presentation finish among **80+** teams, deploying the project as an open-source web app.

### LockIn | *Java, JavaFX, CSS*

**Feb 2025 – Apr 2025**

- Developed a GUI-based real-time collaborative productivity app using JavaFX, multi-threading and sockets, supporting **4+** simultaneous clients.
- Built core features, including user authentication, study timers, a shared whiteboard and a live server chat.
- Delivered a live technical demo, showcasing multi-user interaction and smooth collaboration across a single server.

### travelGo | *Java, Java Swing, JUnit, TestFX, AssertJ, Maven, XML*

**Jan 2025 – Apr 2025**

- Led back-end development of a Java-based travel package management system to improve agency management efficiency.
- Applied Agile and Kanban approaches by rapid prototyping, technical documentation, weekly customer feedback and responding to change in frequent iterations.
- Performed a **100%** automated test pass rate using TestFX, JUnit and AssertJ.

### Aircraft Fatalities in the World 1908-2019 | *Python, Matplotlib, Pandas, Seaborn, NumPy*

**Nov 2024**

- Analyzed global aircraft fatalities between **1908-2019** to identify historical aviation safety trends.
- Cleaned, processed and visualized CSV data in a Jupyter Notebook, generating insights on accident patterns.
- Produced data visualizations with Seaborn and Matplotlib to simplify complex datasets for readers.

## EXPERIENCE

### Assistant Instructor

**Sept 2021 – Present**

*Durham Taekwondo/Karate Martial Arts Inc.*

*Pickering, ON*

- Teaching **40+** students daily, improving communication, mentoring and teamwork skills.
- Design lesson plans tailored to individual learning styles, improving student engagement.
- Practice time management by balancing part-time instruction and full-time education.

### Administrative Support

**Mar 2020 – Present**

*Canadian Care Academy Inc.*

*Toronto, ON*

- Manage and organize digital and physical records to meet tight administrative deadlines.
- Utilize Excel, Word and PowerPoint to create and maintain professional reports and documentation.
- Troubleshoot technical issues and upgrade software tools, improving office productivity.

## TECHNICAL SKILLS

**Languages:** Java, Python, C++

**Developer Tools:** Git, GitHub, Visual Studio Code, IntelliJ, Eclipse, LaTeX, MATLAB

**Concepts:** Data Structures & Algorithms, Software Development Life Cycle (SDLC), Object-Oriented Programming (OOP), Automated Testing, Test-Driven Development (TDD), Agile Scrum, Debugging

**Relevant Coursework:** Software Design & Analysis, Software Systems Development & Integration, Computational Science I, Data Structures, Scientific Data Analysis, Computer Architecture, Statistics & Probability