

## Lukas Fenkam

[lukasfenkam.me](https://lukasfenkam.me) • <https://github.com/Luke1432/> • [lukas@fenkam.name](mailto:lukas@fenkam.name)

### Experience

Ontario Tech University, Trustworthy AI Lab Research Intern — Oshawa, ON

Jul 2025 – Aug 2025

Researched forensic and computer vision literature to identify features and methods for BPA.

Preprocessed and augmented forensic datasets to improve model generalization and reduce imbalance.

Designed, built and trained CNN models in Python (TensorFlow/Keras), boosting accuracy to over 80%

Collaborated with lab members, contributing to forensic AI research publications.

Red Hat Inc., Intern — Remote

Jul 2021

Designed and deployed a GitHub extension improving issue/PR triage efficiency in the Quarkus ecosystem.

Collaborated with open-source developers to optimize workflows.

### Certifications

LPI Linux Essentials

IBM Generative AI (Prompt Engineering, Intro & Applications)

Red Hat Certified System Administrator (In progress)

### Skills

Java, Python, C++, JavaScript, HTML/CSS, Quarkus, Git/GitHub

AI / Data Science: TensorFlow, Keras, NumPy, Pandas, CNNs

Systems & Platforms: Linux (Red Hat Enterprise, Ubuntu), Git Bash, Ansible

### Projects

WhitbyStay ([whitbystay.ca](https://whitbystay.ca)) — AI Web Development Project

Developed and deployed a responsive lodging website using HTML, CSS, and JavaScript on Replit.

Configured a custom domain ([whitbystay.ca](https://whitbystay.ca)) and integrated booking and contact components.

Focused on accessibility, SEO, and fast deployment to deliver a clean user experience.

Quarkus GitHub Bot — Red Hat Internship

Developed a GitHub extension to streamline issue and pull request triage in the Quarkus ecosystem.

Automated workflow tasks, reducing manual overhead for open-source maintainers.

### Education

BSc, Ontario Tech University, Computer Science — Oshawa, ON

Sep 2023 – Jun 2027

Data Structures (CSCI 2010U), Analysis and Design of Algorithms (CSCI 3070U), Machine Learning Theory and Application (CSCI 4050U)

### Volunteering

Organizer and Workshop Leader (Aproresco HackApro)

Jan 2025 – Apr 2025

Organized logistics for a bilingual hackathon with 50+ youth participants.

Created and led an interactive Scratch workshop for beginners.

Developed evaluation grids and supported event coordination.

### Languages

English: Native speaker

French: Native speaker

German: Native speaker