Lukas Fenkam

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Projects

Personal Portfolio Website2025 | lukasfenkam.me

> Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase projects, resume, and professional experience.
>
> Implemented a responsive layout optimized for desktop and mobile, including smooth scrolling, custom navigation, and SEO integration.
>
> Deployed via GitHub Pages with custom domain and sitemap.xml to enable discoverability on Google Search.

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.

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, trained, and tuned CNN architectures 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.

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)

Skills

> Programming & Tools: Java, Python, C++, JavaScript, HTML/CSS, Quarkus, Git/GitHub, OpenGL
>
> AI / Data Science: TensorFlow, Keras, NumPy, Pandas, CNNs, Data Augmentation
>
> Systems & Platforms: Linux (Red Hat Enterprise, Ubuntu), Git Bash

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

Certifications

LPI Linux Essentials, IBM Generative AI (Prompt Engineering, Intro & Applications)