

Simon Rapala

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Technical Skills

- **Languages:** C, Python, Java, HTML, CSS, Assembly, JavaScript
- **Tools:** VS Code, Git, Nano, GitLab, Docker
- **Concepts:** Data structures & algorithms, dynamic memory, pointers, file I/O
- **OS:** Windows, Linux

Personal Projects

Personal Website | Live: simon.github.io — Designed and implemented a responsive portfolio website using HTML and CSS **December 2025**

Tech: HTML, CSS, VS Code, Git

- Built a responsive portfolio website to showcase projects, skills, and contact information using semantic HTML and modern CSS
- Implemented layout and responsiveness with Flexbox, CSS Grid, and media queries for mobile and desktop breakpoints

k-Nearest Neighbors Classifier (C) — A program to classify animal data using k-NN with multiple distance metrics **Oct 2025**

Tech: C, CSV Files, VS Code, Nano, GitLab

- Used C structs, arrays, file I/O, and sorting to parse and process `.txt/.csv` datasets
- Implemented a k-nearest neighbors classifier in C, with emphasis on data parsing, distance computation, and algorithm correctness

Education

Bachelor of Computing, Computer Science (Co-op), University of Guelph **2024 — Present**
Guelph, ON

- Average: 87%; pursuing Minor in Statistics
- **Key project — Linked-List Music Player (Feb 2025):** Used C (pointers, dynamic memory with `malloc/free`, file I/O) to build a CSV-driven linked-list music player with append/remove/play/search commands in a CLI environment

Extra-Curricular

Computer Networking Society — University of Guelph **Present**

- Plan to attend workshops on networking, cloud, and security this term

Google Developer Groups — University of Guelph **Present**

- Expect to participate in Flutter + Firebase sessions, build demo apps, and attend a hackathon

Non-Technical Work Experience

Assembler and Quality Assurance Inspector (Night Shift), DENSO **Aug 2023 — May 2024**
Guelph, ON

- Assembled components, tested and inspected their quality
- Supported other shifts to fulfill customer orders
- Helped onboard new hires; answered questions and supported throughput and quality targets