Lucas Coster

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Junior Software Engineer with experience assisting and fulfilling technical project requirements in software engineering. Proven track record of applying strong communication, problem-solving, and organizational skills to contribute to software development teams, enhance **project efficiency**, and deliver high-quality code. A collaborative team player with experience in **Agile** environments, version control (Git), and **full-stack development**. Highly self-motivated with a passion for continuous learning, I bring a strong understanding of software engineering practices and a drive to tackle complex technical challenges independently and as part of a team.

Education

Bachelor of Applied Sciences | Queen's University | Kingston, Ontario | September 2020 – April 2025

Earned an Honours Bachelor of Applied Science in Computer Engineering, complemented by a Certificate in Business from Queen's University with a 3.7 cumulative GPA. Coursework emphasized core software engineering principles, including computer architecture, systems design, and the full software development lifecycle. This multidisciplinary education combined technical depth with strategic business insight, fostering strong problem-solving, collaboration, and project management skills.

Relevant Experience

Computer Consultant | Lucas Coster Consulting | Caledon, Ontario | January 2025 – Current
Founded a computer consulting business assisting local individuals and business with computer-based problems focused on understanding user complains and providing **software as a service**. Projects include assisting a local law firm with updating their **data management** system working with 100+ entries and creating reports for easy use. Currently, I am in the process of creating an application for a local brewery to assist them with issues relating to tax submissions. This process includes a **requirements** discussion with the founders of the brewery to better understand their issues and what they desire.

CAPSTONE Project | Queen's University | Kingston, Ontario | September 2023 – April 2024
Trained and evaluated multiple models using a dataset from the National Cancer Institute (NCI), achieving over 90% accuracy with a Random Forest classifier. Designed and deployed a user-facing front-end to deliver personalized risk assessments based on patient data. Gained hands-on experience in model selection, data preprocessing, back-end integration, and full-stack deployment. Awarded **First Place for Best Software Project** at Queen's annual engineering showcase and selected to present at PEO and IEEE design competitions.

Junior Software Engineer | Briza | Toronto, Ontario | May 2023 – September 2023
Worked as a Full-Stack Software Engineer Intern contributing to a TypeScript-based REST API built with Node.js and Docker. Delivered consistent value by resolving high-priority bugs, implementing new features, and completing an average of 6+ tickets per week. Gained hands-on experience with containerized development using Docker, back-end services in Node.js, and functional programming. Collaborated within a fast-paced Agile team using Git and sprint-based workflows. Over 80% of the connections and features I developed remain active in production today, reflecting clean, scalable code and long-term reliability. Presented developed features in conference style meetings to the board of directors and CEO explaining the benefits of the features and why they were created.

Personal Projects

Personal Website Portfolio
Created a personal website on GitHub pages to act as a portfolio for my accomplishments displaying my achievements, education and personal experience in an interactive and eye-catching website. Created the website using standard web development practices with an **HTML** fronted, **CSS** styling and **JavaScript** logic.

3D Hand Tracking and Pose Estimation
Built a custom **Tensorflow** model to predict the 3D shape and pose of a hand using just a monocular RGB input. Built in **Python** the code takes a MANO template mesh through the rotation parameters estimated by our model. The goal was to extend the model to predict two-hands through high hand-to-hand and hand-to-object contact. The project was done through the QMIND AI team at Queen's University and presented at the CUCAI conference.

32-bit Verilog Computer
Built a fully functioning 32-Bit CPU connected to an ALU, RAM and BUS in Verilog. Ran simulations and tested uses such as arithmetic, function calls and jumps as well as memory storing and loading. Presented my findings and process to be evaluated based on effectives, accuracy and logical flow. Learnt baseline computing process that support my understanding of how a computer program should work.

Other Experiences

Beer Ambassador | Goodlot Brewery | Caledon, Ontario | May 2022 – Current
Worked at a local brewery in the summers as a server and bartender providing drinks to a patio of 200+ customers at a time. Provided information on types of beers and created a friendly welcoming environment for patrons to enjoy. Worked in multiple teams moving from a junior level employee to a senior leader responsible for training and assisting new hires.

Terrain Park Supervisor | Caledon Ski Club | Caledon, Ontario | December 2024 – May 2025
Created and maintained the terrain park with a balanced focus on safety and fun. Enforced rules throughout operating hours and confirmed that features stayed usable throughout operating hours. Dealt with difficult patrons in a respectful but firm manor ensuring they understand why the rules were in place and enforcing them steadfast.

Skills

Full-stack development • Machine learning & AI modeling • TypeScript & JavaScript • Agile methodologies • REST API design • Git & version control • Data analysis & preprocessing • UI/UX design • Strong written & verbal communication • Project leadership • Team collaboration • Time management • Business strategy fundamentals

Awards

First place Software Engineering CAPSTONE Project • Canadian University National Champion Ultimate Frisbee • U24 World Ultimate Championships Silver Medal

Activities

Team Canada Ultimate Frisbee Athlete • DAIR Team Member • Varsity Athlete Captain •