

Lucas Coster

Looking to put my Typescript and Java coding experience into practice, developing and testing systems. Gaining experience under a dedicated manager and pushing the company roadmap forward

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PROJECTS

Ovarian Cancer Early Detection — Capstone Project

September 2023 - April 2024

Completed a full Machine Learning model and application for the prediction and early warning of ovarian cancer. Built off a National Cancer Institute (NCI) Dataset and tested until it was over 90% accurate. Used a variety of ML models and practices, gained experience designing the full stack of an application.

Resume Matcher — DAIR Team Member

September 2022 - April 2023

Worked with a design team and used industry standard libraries to create an application that matched student resumes with posted jobs scrapping the LinkedIn database. Created and presented findings and research at the CUCAI summit. Learned lessons in NLP and LLM practices and how to work with these models.

3D Model Hand — DAIR Team Member

September 2021 - April 2022

Worked with a team to develop an AI model that created 3D hand meshes mimicking a human hand in real time. Worked with Python using Tensorflow library creating neural networks and gaining experience with auto-regressive language models. Created a paper and presented it at the Canadian University AI summit (CUCAI).

EXPERIENCE

Briza, Toronto — Software Developer

May 2023- September 2023

Developed throughout the full stack of a typescript API interface. Worked on pressing company issues, bugs and feature improvements. Gained knowledge in fast paced agile development and functional programming

QMIND, Kingston — Design Team Member

September 2021 - Present

Worked as a member of the Queens QMIND design team. Worked with Python using Tensorflow library creating neural networks and gaining experience with auto-regressive language models.

EDUCATION

Queen's University, Kingston Ontario — Graduate

September 2020 - Present

Completed a Bachelor of Applied Science with honours at Queen's University. Graduated on the Dean's list with above a 3.5 cumulative GPA. Currently completing a Certificate in Business with a graduation date of January 2025.

SKILLS

Python, TypeScript, C++,
Assembly Language, HTML

Experience and
Understanding of UX

HTTP understanding

Frontend Experience

Object Oriented Programming

Developing with GIT and Agile

SQL Knowledge

API coding and Cloud
Computing

Experience with React

Experience with RESTful API
Design

Experience Gathering
Software Requirements

Skilled Leader and
Communicator

AWARDS & ACHIEVEMENTS

Capstone 1st place - 2024

Academic All-Star - 2021 -
2023

Dean's Honor List - 2020 - 2023

Bronze Cross - 2019

EXTRA-CURRICULARS

Queens Varsity Athlete -
Ultimate Frisbee Captain
Canadian Champion

Club Ultimate Team in Toronto

Snowboard Instructor