

Oliver Kwun-Morfitt

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EDUCATION

University of Toronto St. George campus

Bachelor of Science in Computer Science — Pursuing focus in Artificial Intelligence

Toronto, ON

Sep. 2024 – May 2028

Harbord Collegiate Institute

OSSD + French Immersion Certificate — Graduating top 6 average of 98 %

Toronto, ON

Sep. 2020 – Jun 2024

EXPERIENCE

Programming Instructor

Codezilla Kids

July 2022 – October 2022

Toronto, ON

- Taught children ages 7-14 programming fundamentals
- Developed new curriculum with the Scratch programming language

Coding Club President

Harbord Collegiate Institute

May 2023 – June 2024

Toronto, ON

- Led a group of 7-12 members, teaching and collaborating on competitive programming problems
- Developed a web application to teach the *0-1 Knapsack* dynamic programming problem

PROJECTS

GPT-DOOM | *Python, Pytorch, Numpy, Matplotlib, Jupyter*

September 2023 – December 2023

- Implemented **GPT transformer architecture** outlined in the paper *All You Need Is Attention*
- Gathered and prepared entire artist discography to train on
- Performed multi-step training and fine-tuning
- Created web app to view results

Sapient | *React, Next.JS, TailwindCSS, Git*

May 2024 – June 2024

- Developed a a web app for tracking learning of topics
- Implemented **fine-tuned GPT-3.5 model** to help users through their learning
- Created a gamification experience to breakdown complex topics

CERTIFICATIONS

Stanford Machine Learning Specialization | *Python, TensorFlow, Numpy, Matplotlib, Scikit.learn*

July 2024

- Applied variety of AI and ML concepts such as: Decision Trees, Neural Networks, Logistic and Linear Regression, Model evaluation, and Feature engineering

NYU Machine Learning in Finance | *Python, Linear Algebra, Financial Modelling*

July 2024

- Developing financial models using machine learning and AI

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, Go

Frameworks: React, Node.js, Next.js, TailwindCSS, Express.js

Developer Tools: Git, VS Code, Visual Studio, PyCharm, MongoDB, FireBase, Postman,

Libraries: pandas, NumPy, Matplotlib, TensorFlow, PyTorch