Oliver Kwun-Morfitt

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EDUCATION

University of Toronto St. George campus Toronto, ON

Bachelor of Science in Computer Science — Focus in Artificial Intelligence, Minor in Statistics Sep. 2024 – May 2028

EXPERIENCE

Programming Instructor July 2022 – October 2022

Codezilla Kids *Toronto, ON*
  * Taught children ages 7-14 programming fundamentals
  * Developed new curriculum with the Scratch programming language

Coding Club President May 2023 – June 2024

Harbord Collegiate Institute *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 *Attention Is All You Need*
  * Gathered and prepared entire artist discography to train on
  * Performed multi-step training and fine-tuning
  * Created web app to view results

sessions.ai | *React, Next.JS, TailwindCSS, Git, Python, OpenCV, LLM, Flask* September 2024
  * In a team of 4, developed full-stack application, recording and parsing text from screen
  * Implemented **fine-tuned Ctrl-R** model to create questions based on study topics
  * Developed UI/UX with TailwindCSS and integrating with model API

Neura | *React, Next.JS, NextAuth, TailwindCSS, Git, Python, Go, PyTorch* August 2024 - Current
  * A full-stack application for organizing ML/AI projects.
  * Implementing user authentication and live collaboration
  * Integrating paper implementations in Pytorch

CERTIFICATIONS

Stanford Machine Learning Specialization | *Python, TensorFlow, Numpy, Matplotlib, Scikit.learn* July 2024
  * Applied variety of AI and ML concepts: 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, Expess.js
Developer Tools: Git, VS Code, Visual Studio, PyCharm, MongoDB, FireBase, Postman,
Libraries: pandas, NumPy, Matplotlib, TensorFlow, PyTorch