Kevin Wang

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SKILLS

Software Tools:	**Python** (**Pytorch**, pandas, **scikit-learn**, plotly), **SQL,** R, **Java, Node.js(React, NextJS, prisma),** C/C#
Data Science:	**Computer Vision (CNNs)**, **Language Models and Transformers,** Regression (GLMs), Tree-based models (Random Forests, XGBoost), Cloud computing (Lambda Labs), Hypothesis testing
Soft Skills:	Scrum/Agile processes, project management, Git/Github, Linux

EDUCATION

University of Toronto - Data Science Specialist **April 2025**
❖ **3.95/4.0 GPA** *Toronto, ON*

EXPERIENCE

Data Science Research Intern **May. 2023- Aug. 2024**
Pason Systems Corp. *Calgary, AB*
❖ Created and helped patent an algorithm for drilling dysfunction detection, increasing true positive predictions by 50% and reducing false positives by 40%. Prototyped using **Python** and productionized using **Java.** Created a **React** application to streamline the data labeling process.
❖ Maintained **KPI generation** program, designed new algorithms for cleaning and analysis of drilling data, and implemented in Java/MATLAB. Handled customer requests and facilitated cross-team solution design.
❖ Investigated machine learning applications in text data in the company. Explored the effectiveness of **Language Models** in interpreting and classifying drilling reports.

Junior Data Scientist/Analyst **May. 2022 - Aug. 2022**
Neobi Technologies *Calgary, AB*
❖ Used **MySQL** to preprocess and perform **quality assurance** on thousands of cannabis data records for multiple clients. Praised for cleanliness and quality of the data.
❖ Developed web crawlers and data processing pipelines using **Selenium** and **Python**, used **PowerBI** to display analytics and help the sales team deliver clear and insightful visuals to clients

PROJECTS

Exploring Feature Recalibration Modules in CNNs - PyTorch
❖ Investigated the effectiveness of **skip-layer excitation** modules on computer vision tasks, performing sensitivity analysis and comparing to baseline models. Summarized findings in a NeurIPS-format paper

Game AI using Supervised Imitation Learning - PyTorch
❖ Used a **Convolutional Neural Network** to create an AI agent for the game Temple Run 2.
❖ Explored the **ShuffleNet** architecture, regularization techniques and multiple data collection methods to boost the in-game accuracy of the model in different stages of the game.

League of Legends Classification Project - Python
❖ Collected data using web scraping in python and **REST APIs.** Used **numpy, pandas, matplotlib and sklearn** to analyze the data, fitting a **Random Forest Classifier** model to predict game outcomes