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Cody Therrien

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EDUCATION

UNIVERSITY OF MICHIGAN
Master of Applied Data Science
Grad August 2022 | Ann Arbor, MI
GPA: 3.97/4.0

UNIVERSITY OF VICTORIA
BS: Computer Science and Stats
Grad May 2022 | Victoria, BC
GPA: 3.8/4.0

UNIVERSITY OF VICTORIA
B.Eng: Biomedical Engineering
Grad May 2017 | Victoria, BC
Biomechanics Specialization

COURSEWORK

GRADUATE
•Big Data: Scalable Data Processing •Data Mining •Database Architecture
•Supervised, Unsupervised, Deep Learning •Info Vis • NLP • Network Analysis •Machine Learning Pipelines
•Cloud Computing • Sports Analytics
•Search and Recommender Systems

UNDERGRADUATE
•Computer Architecture
•Software Development Methods
•Data Structures and Algorithms
•Data Analysis •Mathematical Statistics •Regression Analysis
•Simulation •Linear Programming
•Operating Systems •Time Series Analysis •Computer Vision
•Reinforcement Learning
•Mechatronics •CAD •3D Printing/Advanced Manufacturing
•Medical Instrumentation • Control Engineering •Data Analysis and Pattern Recognition

SKILLS

Experienced:
•Python •Pandas •Numpy
•Matplotlib •SK Learn
•Keras/Tensorflow •PyTorch •Spacy
•BERT •OpenCV •PySpark •C/C++
•SQL •Bash •Git •AWS
Intermediate:
•Rust •Docker •Airflow •R •GCP
Familiar:
Java • Javascript/Typescript

EXPERIENCE

CHATGPT CHECKER | Founder, Lead Data Scientist
July 2023 - Present | Victoria, BC
- Developed full stack web application for detecting if documents were written by AI. This includes developing, deploying, and monitoring RoBERTa based model for document classification

BINANCE | Data Scientist
Dec 2022 - July 2023 | Anywhere
- Developed custom Siamese neural network for customer id card quality control based on ResNet50 architecture in TensorFlow. Saving the company over $250, 000 per year in vendor fees.

SCOTIABANK | Data Scientist
May 2021 - Nov. 2022 | Toronto, ON
- Developed natural language processing model for complaint classification using Spacy and BERT.
- Was part of a team of software engineers and data scientists responsible for developing a fully automated AI system for email triaging. I was responsible for the NLP portion of the project. This system saves the bank about 40,000 man hours per year and about $800, 000 per year.

UNIVERSITY OF VICTORIA | C++ Teaching Assistant
Sept 2021 – Jan 2022 | Victoria, BC
- Taught undergraduate level lab sections

NEWPORT REALTY | Realtor
Sept 2017 – April 2020 | Victoria, BC
- Assisted clients in purchase and sales of houses, condos, and town homes
- 2019 MLS bronze award winner

ISLAND HEALTH | Biomedical Engineer Intern
Sept 2015 – Dec 2015 | Victoria, BC
- Created Capital Medical Device Replacement Scoring System using Excel and online device database to automate device replacement process. This system saves leadership tens if not hundreds of man hours per year.

HOME ENERGY SOLUTIONS | Engineering Intern
Sept 2013 – Dec 2013 | Victoria, BC
- Designed solar panel layouts using SolidWorks.
- Installed grid-tie solar PV systems.

RESEARCH

UNIVERSITY OF VICTORIA BIOMECHANICS LAB | Biomedical Engineering Researcher
Sept 2015 – Dec 2015 | Victoria, BC
- Designed running shoe midsole in SolidWorks that uses tensegrity structures to provide better energy return than traditional foam midsoles similar to Nike Alphafly shoe.
- Manufactured shoe midsole using 3D printer.

UNIVERSITY OF VICTORIA BIODEV RESEARCH GROUP | Mechatronics Engineer
May 2015 – Aug 2015 | Victoria, BC
- Designed wrist band that measures heart rate, oxygen saturation, and blood pressure.
- Programmed and wired heart rate monitor.
- Designed reflective oxygen saturation sensor.