

Ramandeep Thind

EDUCATION

Simon Fraser University

Bachelor of Science in Computer Science

Burnaby, BC

Sep. 2020 – Sep. 2025

EXPERIENCE

Machine learning intern

Feb. 2023 – Present

Radiology AI Network

Winnipeg, MB

- Conducted research on the hospital's existing methodologies and identified opportunities to leverage machine learning in order to reduce specialist doctors' workload by accurately predicting required medical imaging exams based on patient history and symptoms
- Leading the data cleaning process and development of a NLP-based machine learning model, aiming to improve prediction accuracy for medical imaging exams and unlock significant time and resource savings for the hospital
- Spearheading the evaluation and integration of the ML model into the hospital's system, actively working towards enabling real-world testing by specialist doctors and enhancing overall patient care and experience

Freelance Web Developer

July 2022 – August 2022

TM Building Maintenance

Surrey, BC

- Created a Scheduling application using the MERN stack and principles of Full Stack development to help create and organize employee schedules
- Used Twilio SMS REST API to share created schedules to employees through SMS and handled user authentication with JSON Web tokens to allow employees to request for days of absence
- Utilized AWS and Heroku to deploy the application to the web, while using Docker to make the application highly portable

Co-Founder

Mar. 2023 – Present

Helios Technologies

Delta, BC

- Founded a fintech startup with a focus on using machine learning techniques to predict and profitably trade the futures market, initiating extensive research to gain an understanding of the market dynamics and identify potential opportunities for algorithmic trading
- Actively mastering the QuantConnect platform and API while simultaneously collecting valuable data, positioning the company to build and deploy innovative trading algorithms to capitalize on market trends

PROJECTS

Market Data analysis | *Python, Pandas, Matplotlib, Oanda API*

Sep. 2022 – Dec. 2022

- Developed scripts to acquire and clean data from OANDA for standard commodity and currency pairs
- Performed statistical analysis on Forex pairs to determine statistical temporal patterns regarding the foreign exchange market and graphed these results using Matplotlib
- Created an Hidden Markov model to help identify periods of high and low volatility in the foreign exchange market

Python Regression Model | *Python, Scikit-learn, Turtle*

Nov. 2020 – Dec. 2020

- Implemented linear regression models using Python and the scikit-learn package to accurately predict real estate prices and bike rentals, utilizing data from CSV files.
- Created visualizations of the predicted real estate prices and bike rentals using Python and Turtle, effectively communicating the results to potential stakeholders

TECHNICAL SKILLS

Languages: C, C++, Python, HTML/CSS/JavaScript, Java, SQL

Frameworks: TensorFlow, Spark, React, Express

Developer Tools: Visual Studio, Git, Docker, Node.js, MongoDB, AWS, Jupyter Notebook, Matlab

Libraries: Pandas, NumPy, Matplotlib