

Tyler Travis

Data Scientist

Software Engineering student skilled in predictive modeling, classification models, and neural networks. Capable of launching, developing, testing, and deploying software in an agile company. Looking to be leveraged and add value in corporate environment.

@ ttravis@unb.ca

in Tyler Travis

+1 506 378 3063

SKILLS

Python

5+ Years

Data Visualization

Matplotlib

Math + Statistics

Numpy/Scipy

Database Querying

mySQL/pyODBC

Deep Learning

TensorFlow

Classification

Scikit-Learn

Algorithms

LeetCode

EDUCATION

Software Engineering

University of New Brunswick 2019 – 2023 (expected)

- In pursuit of a M.Sc in Machine Learning,
- Grown skills in problem solving,
- Deployed various software systems,
- 4.0 GPA, 2021 Men's Soccer MVP.

High School Diploma

Riverview High School 2015 – 2019

EXPERIENCE

Data Scientist

Breathe Biomedical May – Sep 2021 Moncton NB, Canada

Keywords: Cancer Detection Screening, Machine Learning

- Developed **early-cancer detection** alternative (**lung-carcinoma 85%**, COVID-19 80%) using ringdown laser spectroscopy by monitoring of volatile organic compounds (VOCs),
- Constructed **laser-maintenance system**, which operates within each machine, prompting physicists when lasers should be re-aligned via Microsoft Teams Bot.
- Converted spectrometer laser software into C++ framework, **increasing sample throughput** by 200%.

President and Founder

UNB Software Development Club May – Sep 2020 Fredericton NB, Canada

Keywords: Overlooking, Networking, Developing

- Overlooked all projects, secured funding when necessary.
- Helped guide novice developers with common practices, and workplace tools.
- C
- Complied with UNB Ratification and Quality Standards.

SOFTWARE PROJECTS

Student Auditing System

Advisor Assistance in Enrollment

Machine Learning Study

TensorFlow, 15+ ML Articles

Talent Agency System

Design Patterns Project

OTHER ACTIVITIES

School Saviors

Pandemic Virtual Tutoring Service

U11 Boys Soccer Coach

Training, Games, Tournaments

Junior Achievement

3x Successful Exits

AWARDS

Most Valuable Player

2021 - UNBSJ Soccer

Dean's List

2022 - University of New Brunswick

CEO of the Year

2018 - Junior Achievement