

Andy (MY) Tai

PhD and experienced Data Scientist aiming to leverage machine learning expertise to tackle complex problems in industry.

EXPERIENCE

University of British Columbia, Masters of Data Science, Vancouver, BC, Canada — *Postdoctoral Fellow*

July 2024 - Present

Teaching and mentoring students in data science and statistics, with a focus on applied learning and active engagement. Lead students to data science projects, related to prediction.

Clause Technology, Vancouver, BC, Canada — *Data Science Consultant*

August 2025 - November 2025

Clause Technology (maritime criminal detection, vessel trajectory analysis), worked on using LLMs, regex, and fuzzy matching to update data scraping tools to build database.

Concussion RX, Vancouver, BC, Canada — *Data Scientist*

April 2024 - August 2024

AI-powered concussion care position focused on enhancing diagnosis and treatment using advanced AI tools like ConcussionRX and Llama 3. Key tasks include developing healthcare professional onboarding documents, employing machine learning and statistical modeling to analyze and stratify concussion subtypes based on demographic data.

NAI Innovations, Vancouver, BC, Canada — *Analyst*

April 2024 - Present

Specialize in evaluating ML-driven startups and companies in medical cannabis symptom management. Analyze data trends, optimize algorithm performance, and communicate findings. Lead strategic AI initiatives aligned with advances in neuroscience and psychiatry.

University of British Columbia, Computer Science Department, Vancouver, BC, Canada — *Teacher's Assistant*

January 2020 - April 2024

Acted as a Teaching Assistant in over 30 courses across the Masters of Data Science program.

EDUCATION

University of British Columbia, Vancouver, BC, Canada — *Ph.D. in Neuroscience*

September 2019 - May 2024

PhD in Neuroscience at the University of British Columbia focusing on the intersection of technology and mental health. Developed machine learning models to predict overdose risk, achieving a significant accuracy of 90% and AUC of 0.9, addressing the opioid crisis. Led the Addictions and Concurrent Disorders (ACD) Research Group, publishing 12 international manuscripts and collaborating with global experts under the guidance of Dr. Michael Krausz.

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Languages

R

Python

SQL

SPSS

SAS

Tools

Git

Jupyter

Scikit-learn

Tidyverse

Docker

AWS Services

MongoDB

AWARDS

Mitacs Globalink Research Award (GRA)

UBC Master of Data Science Teacher's Assistant Award President's Academic

Excellence Initiative PhD Award

2021 Research Day Lightning Talk & Poster People's Choice Award

**University of Toronto, Toronto, ON, Canada — *B.Sc. in
Neuroscience***

September 2012 – May 2017

Major in Neuroscience, Minor in Environmental Science and Religion