

MICHAEL XILINAS

604-842-7438 | mxilinas@student.ubc.ca | michaelxilinas.github.io

I am a fourth year student at UBC studying human and artificial intelligence. My interests include machine learning, AI ethics, and brain disorders of attention and memory.

EDUCATION

Capilano University

Undergraduate studies, Psychology
(4.22/4.33 GPA)

September 2019 - April 2020

University of British Columbia

Undergraduate studies, Cognitive Systems - Cognition and Brain
(3.70/4.00 GPA)

September 2021 - Present

ACCOMPLISHMENTS

PSYCH 212 - Research Methods In Psychology

Fall 2020, CAPU

Designed and conducted a study investigating the effects of Slow Media on selective attention.

- Wrote an **ethics proposal** and obtained approval after **feedback and revision**.
- Performed **statistical analysis** (ANOVA, Effect Size) and interpreted data using software **JASP/SPSS**.
- Summarized and **communicated results** with an oral presentation and written article.

COGS 300 - Understanding and Designing Cognitive Systems

Winter 2022, UBC

Built a virtual robot to compete in a tournament against other AI-controlled robots.

- Coded behavior with **C#** and **Unity game engine**.
- Used machine learning toolkit (**ML-Agents**) to train models through **reinforcement learning**.
- Created 3D **models and textures** with **Blender**.

CPSC 110 - Tic-Tac-Toe Solver

Summer 2023, UBC

Designed a program to solve tic-tac-toe and visualize the decision tree of possible moves.

- Implemented the **minimax algorithm** in the **Rust** programming language.
- Leveraged understanding of **recursive data structures** to search through a generated tree.
- Used an external **graphics** library to produce **visualizations**.

North Vancouver Recreation and Culture - Ice Skating Coach

January 2017 - Present

Organizing, planning, and teaching skating lessons to students of all ages.

- Using different **communication styles** for toddlers, adults, and children with **special needs**.
- Creating **lesson plans** for different age groups, skill levels, and physical abilities.