

Montreal, Quebec

Education

Concordia University

Montreal, QC

Bachelor's of Science in Physics.

- Specialization in Physics
- Dean's list 2022-2023
- CGPA 3.41

Professional Experience

Concordia University | Bianucci Research Group

Montreal, QC

Volunteer Research Assistant

January 2026 - Present

- Engineered a fiber optic coating device for the testing of UV hardening materials.

Physics Specialization Capstone

August 2025 - December 2025

- Engineered and executed a controlled experimental framework to isolate critical variables within the SNAPRs system, ensuring high-fidelity data collection.
- Applied core engineering principles to conduct rigorous data analysis of existing research datasets, identifying trends to validate project hypotheses.

Physics Department Research Award

May 2025 - August 2025

- Leveraged FreeCAD to design custom components for fiber optic experiments, streamlining the hardware assembly process.
- Rapid prototyping of experimental designs with 3D printing.

Concordia University Residence life

Montreal, QC

- Residence Assistant

August 2023 - Present

- Created a sense of community with new students to campus
- Learning leadership and time management skills by planning and communicating events with coworkers and event spaces

Simsbury High School

Simsbury, CT

- Assistant Rowing Coach

August 2019 - May 2021

- Created a sense of unity and team dynamic by assisting individuals of varying skill levels to work together
- Was highly adaptable and catered to the changing needs of the team to lead them to win 4 out of 5 races

Simsbury School District

Simsbury, CT

- Maintenance Personnel

June 2018 - August 2023

- Implemented problem-solving skills by creating solutions to broken machinery and building repair
- Maintained efficiency by streamlining tool and cleaning
- Exhibited initiation by anticipating future problems and proactively attending to them

Skills

- Intermediate knowledge of Programming (Python) and Computers (linux, Arduino, Raspberry Pi)
- Intermediate knowledge of Computer Aided Design Software (FreeCAD)