

Henry Queen

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EDUCATION

McGill University, Montréal QC

B.Sc, Honors Mathematics & Computer Science, graduated with First Class Honors

2019 - 2023

Graduate courses in mathematics and computer science in topics including: Algebra, Analysis, Topology, Formal Verification, Computation Theory, and Algorithmic Game Theory.

Undergraduate courses in topics including: Software Design, Operating Systems, Complex Analysis, Differential Equations, Physics.

Projects include:

- Application using TensorFlow to generate music compositions based on classical piano pieces in Python.
- Thread scheduler and memory manager in C.
- React/Nest website for music collaboration.

Palo Alto High School, Palo Alto CA

2015 - 2019

Staff writer for the national-award-winning school publication, The Campanile. Won 3 Silicon Valley League championships as a starter for the varsity lacrosse team.

EXPERIENCE

McGill Math Helpdesk, Montreal QC - Tutor

Tutoring resource offered by the Mathematics department

2022-23

Held weekly office hours, helping undergraduate math majors with courses including Calculus, Linear Algebra and Complex Analysis.

B-Yond, Montréal, QC - Software Engineering Intern

Artificial Intelligence and Machine Learning startup focused on 5G mobile networks

Summer 2022

Designed and implemented an end-to-end testing framework for B-Yond's network monitoring and assurance product.

- Created a configurable network simulator, emulating real-world network behaviors (including baselines, surges, and outages), generating realistic testing scenarios and data.
- Enabled live customer demonstrations of product, and product testing in development.

Compass Real Estate, Atlanta GA— Research Intern

Technology-driven national real estate brokerage

Summer 2019

Aggregated and analyzed sales data, identifying real estate trends in the Atlanta metropolitan area.

AWARDS

President's Volunteer Service Award

HOBBIES & INTERESTS

Music

Piano & Guitar

Painting & Drawing

Mathematics

Reading

AI/ML

Philosophy

LANGUAGES

English - native

French - intermediate