JACOB FABE

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Analytical and detail-oriented student looking to leverage and further develop a technical mathematics background. Equipped with skills in programming in a variety of environments as well as charisma and leadership prowess.

EDUCATION

B.S Mathematics | University of Western Ontario

London, ON

September 2015 – October 2020

- Sample Course Work: Probability and Statistics, Cryptography, Differential Equations, Mathematical Finance, Abstract Algebra, Analysis

St. Johns College Brantford, ON

September 2011 – June 2015

- Graduate
- Ontario Scholar and Honour Roll student

WORK EXPERIENCE

University of Western Ontario London, ON

Research Assistant, May 2020 – August 2020

- Undergraduate research in mathematics supervised by Professor Kapulkin of the Math department
- Collaborated on research in the area of Homotopy theory, currently producing a paper for future submission.
- Regularly met to discuss ideas and to share any proofs we had completed.

Real Programming 4kids Toronto, ON

Instructor, April 2019 – *Ongoing*

- Administered comprehensive programming bootcamps for youth of varying ages
- Curriculum consists of game development projects ranging from VBA to more complicated C++ projects incorporating more complex design patterns and mathematical concepts.
- Expanded course work via personally developed customizations.
- Placed a strong emphasis on educating students on best practices for programming in a professional environment.

Extracurriculars

DRP London, ON

- A semi-annual reading project where a selected topic in mathematics is researched and presented.
- Fall 2019: The Yoneda Lemma. (Category Theory)
- Winter 2020: Nielsen-Schrier Theorem (Algebraic Topology)

Martial Arts Brantford & London, ON

- Actively training in Brazilian Jiu Jitsu
- Formerly trained in Taekwondo at a competitive level, currently a junior WTF blackbelt with aspirations of completing full black belt in future.

Software Skills

Languages: C++, Java, Python, Haskell, SQL

Software: Microsoft Office Suite, Maple, Unity