Liam Salt

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EDUCATION

SIMON FRASER UNIVERSITY | MSc. in Mathematics
Sep 2021 – Aug 2023 | Burnaby, BC
With Distinction • Cum. GPA: 3.95 • Thesis : "New Proofs of the Kochen–Specker Theorem via Hadamard Matrices"

QUEEN'S UNIVERSITY | BSc. (Hons.) in Mathematics
Sep 2016 – Apr 2021 | Kingston, ON
Dean's List • Cum. GPA: 3.52

EXPERIENCE

RESEARCH ASSISTANT | Simon Fraser University
Sep 2021 – Aug 2023 | Burnaby, BC

- Researched new methods for constructing proofs of quantum mechanical phenomena. Collaborated with my advisor to develop computational methods, mostly using Python, Matlab, and MAGMA. Focus on optimization, combinatorics, and algebra.

TEACHING ASSISTANT | Simon Fraser University, Queen's University
Sep 2019 – Aug 2023 | Burnaby, BC & Kingston, ON

- Courses taught include: Linear Algebra, Discrete Math II, Pre-Calculus, Calculus, Differential Equations, and Applied Computer Algebra.

ADMINISTRATIVE ASSISTANT | GSK Clinical Education Centre
Sep 2016 – Apr 2021 | Kingston, ON

- Assisted with the various operations of the Centre. Worked with community volunteers to facilitate programming for the Faculty of Health Science at Queen's University.

LANGUAGES

PROGRAMMING
General:
Python (NumPy, Pandas, PyTorch) • Java • C++• C# • SQL
Scientific:
MatLab • R • Maple • MAGMA • Macaulay2 • Sage
Web:
HTML • CSS• JavaScript • PHP

SPOKEN & WRITTEN
Native:
English
Conversational/Written Fluency:
French (DELF B2)

OTHER SKILLS

SOFTWARE

- LaTeX
- Github
- Unix/Linux
- MS Office Suite (Excel, Word, Powerpoint)