

Liam Salt

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EDUCATION

UNIVERSITY OF OTTAWA | BEd.

Sep 2024 – Apr 2026 (In Progress) | Ottawa, ON
Intermediate/Senior Mathematics & Physics

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

COMPUTER SCIENCE COURSE COORDINATOR | THE UNIVERSITY OF BRITISH COLUMBIA

Nov 2023 – Aug 2024

- Coordinated administrative support between dozens of teaching assistants and 5 instructors for several undergraduate courses in the Department of Computer Science.
- Maintained course materials and technical platforms, including course management systems, grading software, and discussion platforms.
- Identified potential cases of academic misconduct, participated in assessment other course-level policies, and assisted in the process of course development to help meet the goals of the department.

RESEARCH/TEACHING ASSISTANT | SIMON FRASER UNIVERSITY & QUEEN'S UNIVERSITY

Sep 2019 – Aug 2023 | Burnaby, BC & Kingston, ON

- 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.
- 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 (DELFB2)

OTHER SKILLS

- \LaTeX
- Git/Github
- Unix/Linux
- Excel/Microsoft Office Suite