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

COMPUTER SCIENCE COURSE COORDINATOR | The University of British Columbia
Nov 2023 - Present
- Coordinates administrative support between dozens of teaching assistants and 5 instructors for several undergraduate courses in the Department of Computer Science.
- Maintains course materials and technical platforms, including course management systems, grading software, and discussion platforms.
- Identifies potential cases of academic misconduct, participates in assessment other course-level policies, and assists 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 (DELF B2)

OTHER SKILLS

- LaTeX
- Github
- Unix/Linux
- MS Office Suite