

EDUCATION

Master of Mathematics (MMath), Computer Science

September 2021 - August 2023

University of Waterloo; Waterloo, ON

- Thesis-based master's program co-supervised by Prof. Daniel Vogel and Prof. Craig Kaplan (GPA = 95%)
- Focus in Human-Computer Interaction (HCI) and Computer Graphics (CG)

Bachelor of Science (BSc), Computer Science & Mathematics, Physics Minor

September 2017 - June 2021

Mount Allison University; Sackville, NB

- Graduated with first class honours and distinction, Dean's List throughout (GPA = 91%)

WORK EXPERIENCE

Graduate User Interface Research Intern

September 2022 - December 2022

Autodesk; Toronto, ON

- Leading an HCI research project with two members of the UI Research group, with the ultimate goal of a research publication
- Exploring the idea of large or expansive user interfaces in desktop, augmented reality, and virtual reality environments

Undergraduate User Interface Research Intern

May 2021 - August 2021

Autodesk; Toronto, ON

- Developed a MERN application to schedule and run meetings, which is now used by the research group on a weekly basis
- Worked closely with my manager and the UI Research team to design and improve the application

Research Assistant

May 2020 - September 2020

Computer Vision Project, Mount Allison University; Sackville, NB

- Generated structural priors using Python to gather a more sophisticated prior probability distribution over web page structures
- Co-author for upcoming research publication on the vision-based segmentation of web pages for assistive technology

TEACHING EXPERIENCE

Teaching Assistant/Instructional Apprentice (TA/IA)

September 2021 - present

University of Waterloo; Waterloo, ON

- Marking assignments for introductory computer science courses
- Clarifying course concepts and providing assistance with coursework in office hours

Teaching Assistant, Computer Science & Mathematics

January 2019 - May 2021

Mount Allison University; Sackville, NB

- Supervised students during laboratory sessions, in-class activities, and midterms
- Marked lab submissions and assignments

AWARDS AND RECOGNITIONS

David R. Cheriton Graduate Scholarship

2021 - present

Awarded to top graduate students based on academic excellence and research potential

Top Student Scholar Award

2017

Awarded to one student per province with the highest grade 12 mid-term admissions average

L.A. Goodridge Scholarship

2017 - 2021

Awarded to one student per year level, with an interest in medicine

SKILLS

- Python, JavaScript, Java, HTML/CSS, React, Node.js, C++, C#, Git, Blender
- Experience with data structures and algorithms, web application development, and Unix/Linux environments
- Fluent in English & Mandarin
- CA/US dual citizenship

LEADERSHIP EXPERIENCE

- **President**, Mathematics & Computer Science Society, Mount Allison University

May 2020 - May 2021

- **Executive Member**, MtA Hacks hackathon, Mount Allison University

September 2019 - March 2021

- **Lead Coordinator**, Science Success Course, Mount Allison University

September 2020 - November 2020