Saralin Zassman

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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 Research Intern **September 2022 - December 2022**
Autodesk - User Interface Research Team; 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 large or expansive user interfaces in desktop, augmented reality, and virtual reality environments

Undergraduate Research Intern **May 2021 - August 2021**
Autodesk - User Interface Research Team; Toronto, ON
- Created a frontend application to schedule and run meetings using React, Node.js, Typescript, MongoDB, and WebSockets
- Worked closely with Justin Matejka and the User Interface Research team to design and improve the system

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, C, C++, C#, CSS, HTML, React, Node.js, Blender, Unity, Git
- Experience with data structures and algorithms, web application development, and Unix/Linux environments
- Fluent in English & Mandarin

LEADERSHIP EXPERIENCE

- **President**, Mathematics & Computer Science Society, Mount Allison University **May 2020 - May 2021**
- **Executive Member**, MtA Hacks, Mount Allison University **September 2019 - March 2021**
- **Lead Coordinator**, Science Success Course, Mount Allison University **September 2020 - November 2020**