

WORK EXPERIENCE

Creative Technologist

November 2023 - present

Antimodular Research; Montreal, QC

- Lead the development and ongoing enhancement of several interactive digital artworks within Rafael Lozano-Hemmer's Research and Development studio, ensuring the successful execution and maintenance of both new and existing projects.

Graduate HCI & Visualization Research Intern

September 2022 - December 2022

Autodesk; Toronto, ON

- Led an HCI project with two members of the research group, with the ultimate goal of a research publication
- Designed and developed an interactive VR prototype to explore expansive UIs in desktop and augmented reality environments

Undergraduate HCI & Visualization 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

Research Assistant

May 2020 - September 2020

Computer Vision Project, Mount Allison University; Sackville, NB

- Generated structural data using Python to improve the vision-based segmentation of web pages for assistive technology

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
- Thesis accepted for publication as a first-author paper ([C1]) at a top-tier computer science conference

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%)

TEACHING EXPERIENCE

Teaching Assistant/Instructional Apprentice (TA/IA)

September 2021 - present

University of Waterloo; Waterloo, ON

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

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

PUBLICATIONS

- [C1] Saralin Zassman, Craig S Kaplan, Daniel Vogel. 2024. *Mindful Scroll: An Infinite Scroll Abstract Colouring App for Mindfulness*. To Appear In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)

SKILLS

- Python, JavaScript, TypeScript, React, Java, HTML/CSS, Git, Figma, Adobe XD, Sketch
- Fluent in English & Mandarin

LEADERSHIP EXPERIENCE

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

May 2020 - May 2021

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

September 2020 - May 2020

