Saralin Zassman

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WORK EXPERIENCE

Creative Technologist   November 2023 - May 2025
Antimodular Research (Studio of Rafael Lozano-Hemmer); Montreal, QC
- Led the software development of multiple full-stack applications for interactive artworks, managing projects with minimal oversight and adapting to the artist's evolving vision
- Conducted and applied research on human and object tracking, segmentation, face detection, and recognition to enhance the performance of new and existing projects

Graduate HCI & Visualization Research Intern   September 2022 - December 2022
Autodesk; Toronto, ON
- 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 full-stack application to schedule and run meetings, which is still 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 - September 2023
University of Waterloo; Waterloo, ON
- Clarified course concepts and provid assistance with coursework in office hours and lab sessions
- Marked assignments for introductory computer science courses

AWARDS AND RECOGNITIONS

David R. Cheriton Graduate Scholarship   2021 - 2023
Awarded to top graduate students based on academic excellence and research potential
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, and Daniel Vogel. 2024. *Mindful Scroll: An Infinite Scroll Abstract Colouring App for Mindfulness. In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems* (CHI '24). ACM.

SKILLS

- Python, JavaScript, TypeScript, React, Node.js, Java, HTML/CSS, Bash, SSH, Git, Figma, Adobe XD, Sketch
- Fluent in English & Mandarin; intermediate French (actively learning)

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