Saralin Zassman

zsaralin@gmail.com

Website: saralin.ca | LinkedIn: linkedin.com/in/zsaralin | GitHub: github.com/zsaralin

EDUCATION

Master of Mathematics (MMath), Computer Science   September 2021 - present
University of Waterloo; Waterloo, ON
- Thesis-based master's program co-supervised by Prof. Craig Kaplan and Prof. Daniel Vogel
- 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%)
- Studied abroad in Canterbury, England at the University of Kent

WORK EXPERIENCE

Research Intern   May 2021 - August 2021
Autodesk - Human-Computer Interaction Research Team; Toronto, ON
- Developed an ad hoc meeting scheduler using React, Node.js, MongoDB, and WebSockets
- Worked closely with Justin Matejka and the HCI team to design and improve the program

Research Assistant   May 2020 - September 2020
Computer Vision Project, Mount Allison University; Sackville, NB
- Generated structural priors using Python to improve the vision-based segmentation of web pages
- Presented research at Science Atlantic Conference for Mathematics & Computer Science (November 2020)
- Co-author for upcoming research publication

Marketing Research Assistant   May 2020 - September 2020
Naida Communications; Winnipeg, MB
- Conducted interviews, surveys, focus groups and other client research
- Assisted team members with sales, marketing, strategy and account management initiatives

TEACHING EXPERIENCE

Teaching Assistant/Instructional Apprentice (TA/IA)   September 2021 - present
University of Waterloo; Waterloo, ON
- Marking assignments for introductory computer science courses
- Conducting labs and tutorials

Teaching Assistant, Computer Science & Mathematics   January 2019 - May 2021
Mount Allison University; Sackville, NB
- Supervised students during laboratory sessions and in-class activities
- Marked lab submissions and assignments
- Invigilated examination periods

Tutor   November 2018 - May 2021
Mount Allison University; Sackville, NB
- Conducted one-on-one tutoring sessions for computer science, mathematics, and physics courses

- Organized through the Meighen Centre, for students with documented disabilities, or through the English Academic Bridging program, for students with non-English backgrounds seeking academic assistance

Note Taker   January 2018 - May 2021
Mount Allison University; Sackville, NB
- Took comprehensive notes for every lecture and lab of specified courses
- Uploaded notes several times a week to the Meighen Centre, for students with documented disabilities

LEADERSHIP EXPERIENCE

President   May 2020 - May 2021
Mathematics & Computer Science Society, Mount Allison University; Sackville, NB
- Planned, promoted, and executed social and educational events for members of the society
- Represented the society at departmental meetings
- Ran executive meetings to discuss ideas and organize events with other members of the executive team

Executive Member   September 2019 - March 2021
MtA Hacks, Mount Allison University; Sackville, NB
- Helped organize and execute MtA Hacks, a computer science conference hosted by Mount Allison University
- Raised funds for the event by reaching out to potential sponsors

Lead Coordinator   September 2020 - November 2020
Science Success Course (START@MTA), Mount Allison University; Sackville, NB
- Led a 6-week program to help first year students with the transition into university study
- Organized and ran a weekly meeting to help 20 student leaders prepare for their sessions
- Developed additional curriculum for the program

Founder of E-Commerce Store   May 2020 - November 2020
- Sold 200+ items and gained over 10K followers in the first 3 months of business
- Individually sourced vintage and secondhand goods for sale
- Handled all inventory and shipping logistics

AWARDS AND RECOGNITIONS

David R. Cheriton Graduate Scholarship — $10,000 per year   2021 - present
Awarded to top graduate students based on academic excellence and research potential

Top Student Scholar Award — $2,000   2017
Awarded to one student per province with the highest grade 12 mid-term admissions average

L.A. Goodridge Scholarship — $4,000 per year   2017 - 2021
Awarded to one student per year level, with an interest in medicine

Dean's List   2017 - 2021
Recognition given to full-time students who have maintained a first-class average (≥ 3.7/4.3)

SKILLS

- Python
- Java
- React
- MongoDB
- JavaScript

- Node.js
- CSS
- HTML
- C
- C++

- Blender
- Git
- Fluent in Mandarin and English
- 5+ years of artistic training