

# **Anthony Maocheia-Ricci**

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## **Research Interests:**

Co-design and Community-Based/Participatory Action Research methodologies; Design of collaborative and social computing technologies; Digital civics and community engagement; Human-Building Interaction

## **Education:**

### **Candidate for Masters of Mathematics in Computer Science @ University of Waterloo**

*Research Area: Human-Computer Interaction, Supervised by Dr. Edith Law*

September 2025 – Present (Estimated Graduation: August 2026), Waterloo, ON

- **GPA:** 96.33%
- **Relevant Coursework:** Designing Value-Driven Technology\*, Human-Computer Interaction for Art and Creativity\*, Social Psychology

\* Coursework completed during my Bachelor's as part of the Accelerated Masters program

### **Honours Bachelor of Computer Science @ University of Waterloo**

*Specialization in Human-Computer Interaction, Minors in Psychology and Cognitive Science*

September 2020 – April 2025, Waterloo, ON

- **GPA:** 90.29% (Cumulative) / 91.14% (Major)
- **Relevant Coursework:** Human-Computer Interaction, Computing and Discrimination, Machine Learning, Cognitive Science of Society, Environmental Psychology, Community Engagement and Social Development

## **Publications:**

### **Conference Proceedings and Journal Articles (Peer Reviewed)**

- Nabil Bin Hannan, Casey O'Neill, **Anthony Maocheia-Ricci**, and Edith Law. 2025. LTJ: A Capability-based Digital Journaling Tool to Support Well-being of Newcomers in Life Transition. *Proc. ACM Hum.-Comput. Interact.* 9, 7 (October 2025), CSCW310:1-CSCW310:18. <https://doi.org/10.1145/3757491>

### **Technical and Research Reports (Not Peer Reviewed)**

- Janna Martin, Dayan De Souza, **Anthony Maocheia-Ricci**, and Rich Janzen. 2025. *Walking with People in Poverty Program Review*. Prepared for Mennonite Central Committee Ontario. Centre for Community Based Research, Waterloo, Ontario.

## **Research Experience:**

### **Graduate Research Assistant @ Augmented Intelligence Lab, University of Waterloo**

*Supervised by Dr. Edith Law*

September 2025 – Present, Waterloo, ON

- Designing and developing a platform for groups of artists to ideate, deliberate, and make decisions in a more participatory and decentralized manner
- Facilitated semi-structured interviews with artists from a variety of disciplines, analyzing 20+ hours of interview data using reflexive thematic analysis

### **Undergraduate Research Assistant @ Augmented Intelligence Lab, University of Waterloo**

*Supervised by Dr. Edith Law*

October 2022 - August 2025 (Part-time), September - December 2023 (Full-time), Waterloo, ON

- Conducted and transcribed interviews, codified qualitative data using both inductive and deductive coding on NVivo for multiple research projects
- Analysed interview and focus group transcripts and quotes using qualitative methodologies (e.g. thematic analysis, affinity mapping) for inclusion in conference papers and stakeholder presentations
- Designed and developed multiple prototypes using Figma and modern web development frameworks for use in interview and field studies, following accessibility and responsive design guidelines

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## **Undergraduate Research Fellow @ Augmented Intelligence Lab, University of Waterloo**

Supervised by [Dr. Edith Law](#)

September 2024 - December 2024, Waterloo, ON

- Developed and designed the [Newcomer App](#), a mobile application for newcomers to the Kitchener-Waterloo region to discover health and social services tailored towards their population
- *Term funded for full-time work through both Undergraduate Research Fellowship and NSERC Undergraduate Research Student Assistant awards*

## **Teaching and Mentorship Experience:**

### **Graduate Teaching Assistant @ University of Waterloo**

CS 383: Computational Digital Art Studio (W26)

- Instructor: Daniel Vogel

### **Graduate Student Mentor @ University of Waterloo**

Women in Mathematics Directed Reading Program (W26)

- Topic: Digital Civics and Community Engagement
- Mentees: *Angela Li, Erin Walshaw, Alexandra Roszczenko*

CS 399: Early Research Experience Program (F25)

- Instructors: Edith Law, Sepehr Assadi, Mina Tahmasbi Arashloo
- Mentees: *Anne Zhang, Sabrina Fang, Jia Huang, Halle Chan*

### **Workshop Facilitator @ University of Waterloo**

Futures Lab: Learning Re-imagined (F25)

- Aided in facilitating the inaugural [Futures Lab](#) workshop series, an interdisciplinary AI+UX prototyping workshop led by Prof. Edith Law and sponsored by Google
- Conducted a session on the basics of UI design using Figma for 40+ participants, enabling students from both technical and non-technical disciplines to incorporate best design practices into their AI prototypes

## **Honours and Awards:**

▪ University of Waterloo President's Graduate Scholarship (\$10000)	2025
▪ NSERC Canadian Graduate Scholarship – Masters (\$27000)	2025
▪ Ontario Graduate Scholarship (\$15000) (Declined)	2025
▪ Undergraduate Research Fellowship Award (\$7500)	2024
▪ NSERC Undergraduate Student Research Award (\$6000)	2023, 2024
▪ Undergraduate Research Assistantship Award (\$1000)	2022, 2023, 2024
▪ University of Waterloo President's Research Award (\$1500)	2023
▪ Faculty of Mathematics Entrance Scholarship (\$10000)	2020
▪ University of Waterloo President's Scholarship of Distinction (\$2000)	2020

## **Professional Experience:**

### **Student Intern @ Centre for Community Based Research**

July 2025 - November 2025, Waterloo, ON

- Engaged in program evaluation for community-based organizations; conducting document reviews of social service programming for those experiencing homelessness and the prevention thereof
- Aided in notetaking and qualitative analysis of focus groups consisting of community members with lived experience to be summarized in a research report for key organization stakeholders

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## **UX Researcher @ theScore**

May - August 2024, Toronto, ON

- Owned a research project from end-to-end on usage and satisfaction of promotions; informing product through knowledge sharing of pain points and areas of improvement for future quarters
- Introduced usage of Machine Learning methods for UX research in automated coding of open-ended survey responses through training scikit-learn models on prior mass survey data

## **UX/UI Designer @ WSIB Innovation Lab**

January - April 2023, Kitchener, ON

- Led the creation of user research questions and moderator's guides; conducting semi-structured interviews to inform design decisions and ensure that systems meet usability standards
- Improved and iterated on Figma designs for a lab-wide project by creating 10+ prototyped components and named state variants in order to improve designer efficiency over multiple iterations

## **UX Designer @ Arctic Wolf**

May - August 2022, Waterloo, ON

- Developed and led a UX research project, conducting semi-structured interviews and usability tests in order to improve user workflow and enhance an iterative design process
- Crafted accessible user interface elements and designs for various internal products, leveraging Figma components to standardize and improve designer efficiency and designer-developer handoff

## **Online Resource Designer and Developer @ University of Waterloo Library**

September – December 2021, Waterloo, ON

- Developed custom and accessible learning modules using open source JavaScript and jQuery framework H5P for use in post-secondary education in information gathering and retrieval
- Designed and tested various modules and UI elements to meet both accessibility and visual standards; used Figma for storyboarding and HTML/CSS for developing