

Anthony Maocheia-Ricci

[amaochei \[at\] uwaterloo \[dot\] ca](mailto:amaochei[at]uwaterloo[dot]ca) · anthonymricci.com · in/anthony-maocheia-ricci

Research Interests:

Co-design and Community-Based/Participatory Action Research methodologies; Design of collaborative and social computing technologies; Technologies for deliberation and decision-making; Community engagement

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:** 97.5%
- **Coursework:** Designing Value-Driven Technology*, Human-Computer Interaction for Art and Creativity*, Social Psychology (in-progress)

* 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)

- N. Bin Hannan, C. O'Neill, **A. Maocheia-Ricci** and E. Law. 2025. LTJ: A Capability-based Digital Journaling Tool to Support Well-being of Newcomers in Life Transition. To be published in *Proceedings of the 28th ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW '25)*.

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

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

Anthony Maocheia-Ricci

[amaochei \[at\] uwaterloo \[dot\] ca](mailto:amaochei[at]uwaterloo[dot]ca) · anthonymricci.com · in/anthony-maocheia-ricci

Teaching and Mentorship Experience:

Graduate Student Mentor @ University of Waterloo

CS 399: Early Research Experience Program (F25)

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

Professional Experience:

Student Intern @ Centre for Community Based Research

July 2025 - Present, 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

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

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 |