



MEHRAD FARIDAN

Mixed Reality **Developer**
&
User Experience **Designer**

DATES & PLACES

UNIVERSITY OF CALGARY
2018 - 2022

EDUCATION

Bachelor of Science (BSc) in **Computer Science**,
Specialization in **Human - Computer Interaction**.

DATES & PLACES

Mixed Reality Developer
Makami College
May 2022 - Current

EXPERIENCE

Researching, designing and developing the **world's first** use of Mixed Reality in Massage Therapy Education. Successfully pitched and subsequently facilitated a research collaboration between Makami College and the University of Calgary. Managing internal budgets & securing external funding/support (Alberta Innovates, NSERC, MITACS, etc). Designing, prototyping, usability testing & deploying XR & Haptic Feedback solutions.

- UIST Student Innovation Award - 1st Place
- Submitted our findings to SIGCHI 2023.
- Supervised by [Dr. Ryo Suzuki](#).

Research Assistant
Programmable Reality Lab
University of Calgary
Jan 2022 - Current

Assisting **and leading** multiple Human-Computer Interaction projects. From ideation, design, development, prototyping to user testing/research & deployment.

- Snap Creative Challenge Winner
- Submitted & Published in UIST 2022.
- Supervised by [Dr. Ryo Suzuki](#).

AWARDS

August 2022
[UIST Student Innovation Contest](#)
1st Place Winner

Feb 2022
[Snap Creative Challenge](#)
"The Future of Co-Located Social AR"

Jan 2022
[NSERC Undergraduate Student Research Award \(USRA\)](#)

PUBLICATIONS

ChameleonControl: SIGCHI 2023 (Pre-print)
A "Guide to Control" Approach for Human-Based Telepresence in Remote, Hands-on Massage Therapy Education & Training.

UltraBots: UIST 2023 (In Development)
Large-Area Mid-Air Haptics for VR using Robotically Actuated Ultrasound Transducers

Feb 2021/2020
[Calgary Hacks](#)
3rd Place Award 2021
Participant Award 2020

Sept 2019
[Alexander Rutherford Scholarship](#)

SOFT SKILLS

Wireframes / Prototyping / Visual Design
User Experience / Project Management

LANGUAGES

English, *Fluent*
Farsi, *Fluent*
French, *Proficient*

CONTACT

Location
Calgary, Canada

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SketchedReality UIST 2022 (Accepted)
Exploring bi-directional interactions between Virtual
Sketches and Actuated Tangible User Interfaces

RealityChat: SIGCHI 2023 (Re-submit)
Augmented Conversation with Embedded Speech-Driven
On-the-Fly Referencing in AR

TECHNICAL SKILLS

Unity | A-frame | C# | AR/VR | Three.js
Figma | Adobe Creative Suite | Sketch | JavaScript
Python | Java | C/C++ | SQL | Haskell

DESIGN PHILOSOPHY

I believe in designing a cleaner & more accessible world, where user interfaces are *mediums* between *humans and machines* that foster *intelligent, intuitive* and *delightful* interactions.

ABOUT ME

From Human-Robot Interaction to the seamless coupling of the Virtual and Physical worlds. I'm *fascinated* by all the opportunities we now have to radically reshape the world we live in. Just ask yourself: at what other time in mankind's history did humans possess the power not only to change the world but to *mold the very reality we inhabit?* To reconfigure the world, and by extension our lives, *exactly* how we desire. That question, and many more, fascinate me.

“Design is **intelligence** made **visible**

- Alina Wheeler