# Alexandre Roberge-Milanese

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## Experience

**Software Developer/Research Assistant**
Inclusive Media and Design Centre
Sep 2020 - Present (5 months +)

**Software Developer/Research Assistant - MyHealthMyRecord**
Inclusive Media and Design Centre
May 2020 - Sep 2020 (5 months)
•Brainstormed ideas for a redesign of the MyHealthMyRecord platform, created and presented several system architecture models to an interdisciplinary team of academics and developers.
•Developed a Web dashboard that takes patient's videos detailing their experiences with health conditions and generates a transcript, runs sentiment analysis on the transcript using IBM Watson and generates a series of graphs(Plotly) detailing the range of emotions in each video.
• Worked towards a platform independent telehealth system by designing and implementing Firebase login, permission management, and storing video metadata(Cloud Firestore) in Android.
•Implemented Video recording and file management using Android Camera API and MediaStore.

**Software Developer/Research Assistant - Webmoti**
Inclusive Media and Design Centre
Sep 2019 - May 2020 (9 months)

**Software Developer/Research Assistant - Webmoti**
Inclusive Media and Design Centre
May 2019 - Sep 2019 (5 months)
• Spearheaded development of a WebRTC based video telepresence backend directly leveraging the Javascript API. Implemented the WebRTC signaling server using Cloud Firestore.
• Studied accessible design principles through literature and worked with a team of users, academics and developers to create a customizable responsive user interface designed to reduce cognitive load for neurodiverse users.

**Software Developer/Research Assistant - Webmoti**
Inclusive Media and Design Centre
Feb 2019 - May 2019 (4 months)

**Web Developer**
Altomedia Inc.

Dec 2014 - Jan 2019 (4 years 2 months)

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•Created 4 active News websites powered by WordPress, developed custom themes and plugins to meet stakeholders needs.

•Created, coordinated a semi-automated social media campaign to promote the website on Google organic search and increase user engagement on Facebook, Twitter social media platforms.

•Implemented a fully standards compliant weekly automated newsletter fed through XML.

•Setup, managed a LAMP Stack Debian based dedicated server hosting multiple websites and email domains.

### Web Developer
Altomedia Inc.

May 2017 - Aug 2017 (4 months)

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• Created a directory website and performed SEO for a community center. Worked with client to iteratively improve website.

• Devised and executed an online marketing strategy that included SEO and A/B testing, followed up monthly by Google Analytics reports for a year.

### IT Specialist
Altomedia Inc.

Feb 2012 - Apr 2017 (5 years 3 months)

### Web Developer
Altomedia Inc.

Jun 2012 - Jan 2014 (1 year 8 months)

•Worked with clients at an Insurance brokerage to create their website.

•Maintained the online presence for a series of Day-cares

•Was responsible for IT infrastructure for several clients

## Education

### Ryerson University
Bachelor of Science - BSc (Honours), Computer Science
2016 - 2021

## Skills

Python • Java • Javascript • Software Development • Web Development • Android Development • Shell Scripting • Pandas (Software) • C • Google Material Design

## Honors & Awards

**Ryerson Career Boost Collaboration Award** - 2019/20 Career Boost Awards
Mar 2020

This award recognizes an individual who has made an impact in fostering a collegial environment, using exceptional interpersonal skills to proactively seek out collaborative ways to work with colleagues in their department and / or across the community (Ryerson and beyond).

Alex has been collaboratively developing technology that supports students with learning disabilities to access school remotely. Working with industry partners and other team members (including a student with autism), Alex was responsible for communicating project development, following timelines and presenting software to teams of academics, users, students, and industry representatives.