

CHARLENE ROCHA

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EXPERIENCE

Software Engineering Intern: iRegained April 2021 – August 2021

- Crafted an avatar using [Android](#) Development tools for a TeleRehab neurorehabilitation app to enhance accessibility to stroke survivors irrespective of their current mobility
- Organized the user flow diagram, programmed with the [Unity](#) game engine, and collaborated with varying fields to understand and meet the recipients needs

President: e-NABLE Toronto February 2020 – July 2021

- Engineered 3D-printed prosthetic hands using [Ultimaker Cura](#) and [OpenSCAD](#) while leading and training 30+ team members, maintaining social media accounts, and fundraising \$2000 for supplies

Machine Learning Project: Trash Sorter 2021

- Architected an elegant [Raspberry Pi](#) machine learning device with [Lobe.AI](#), [Kaggle](#), and image processing that precisely and efficiently sorts and disposes trash with 94.5% accuracy

Reclaim: Hack the Six 2021

- Highlighted the “pink tax” societal inequality through an API using [HTML](#), [CSS](#), [Figma](#), [JavaScript](#), and [GitHub](#) to identify retail items marketed towards women and build a user-friendly chatbot

Computer Science and Math Tutor September 2017 – August 2021

- Designed lessons for students in grades JK-12 where each student obtained an 80+% average

EDUCATION

The University of Waterloo: [Bachelor of Software Engineering](#) September 2021 – April 2026

- (GPA: 3.8/4.0)
- Schulich Leader, Member of Women in CS, and Internal Affairs Officer of UW BluePrint

LEADERSHIP AND AWARDS

Star Actress: CitizenKid YTV Docuseries Dec 2019 – June 2020

- Starred in youth activism docuseries to raise awareness about the climate crisis and leadership
- #1 ranked program among all Kids Shows while delivering +86% above YTV's audience average

TEDx Speaker 2019

- Shared experiences of youth leadership and being a woman in STEM amongst 1000+ student leaders to inspire social change and further the future of technology

Meridian Credit Union: Commitment to Community Award 2021

- Chosen as the top student leader for my academic excellence and innovative robotics work

Other Awards: 1st Place in the 2021 Euclid and Canadian Senior Schoolwide Math Contests, The Ontario Environmental Justice Award, and The Lieutenant Governor's Youth Achievement Award

SKILLS

Strong Knowledge of: [Java](#), [C](#), [C++](#), [HTML](#), [CSS](#), [Git](#), [GitHub](#)

Familiarity with: [JavaScript](#), [Python](#)