

Samantha Chong

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SUMMARY OF QUALIFICATIONS

- CAD Design for 3D printing and visually demonstrating ideas within reports.
- Technical Writing to communicate specific details about research and ideas to a reader in an easy-to-understand, professional method.
- Programming for multiple purposes, including game design, data management and data analysis.
- Robotic applications in building and testing various systems during FTC and personal projects.

EXPERIENCE

Visual-Eyes, Red Deer AB — Content Writer

July 2019 - PRESENT

- Completed thorough research into assigned topics.
- Utilized writing, editing and proofreading skills to produce engaging and error-free content using Madcap Flare to write an online user manual.
- Wrote and edited high-quality content and visually impactful programs under deadline pressure with an exciting, captivating and authentic approach.
- Managed competing deadlines with efficiency.

STEM Analytics — Cofounder

July 2022 - PRESENT

- Designed Instagram graphics for informative, correctly cited posts aiding individuals in furthering their education online.

Northern Shores Innovation Institute — Member

July 2022 - PRESENT

- Wrote a scientific report on using Bayesian Networks within the healthcare system for STEM Fellowships Undergraduate Big Data Challenge winning 1st place in the Science Communication Award.
- Designed a robotic arm for 3D printing habitats on the surface of Mars for the Mars Society's Telerobotic Mars Expedition Design Competition.

EDUCATION

University of Waterloo, Waterloo ON *Candidate for Bachelor of Applied Sciences in Mechatronics Engineering*

September 2022 - June 2027 (Projected Graduation)

- Member of Women's Varsity Rugby Team
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SKILLS

CAD Design

C++

HTML

Proofreading

Technical Writing

Editing

Data Collection and Analysis

Experiment Design

Graphic Design

CERTIFICATIONS

Moscow Institute of Physics and Technology: Building Arduino Robots and Devices

The University of Edinburgh in AstroTech: The Science and Technology behind Astronomical Discovery

University of California, Irvine: Introduction to the Internet of Things and Embedded Systems

University of Michigan in their Good with Words: Writing and Editing specialization, including courses in word choice and order, structure, organization, drafting and revising.

ABOUT ME

When I am not spending time with my friends and family, I am often on the rugby field practicing with my team or working on CAD designs for personal projects.

To view my personal portfolio visit my webpage at

samchong015.wordpress.com

