

Samantha Chong

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

