

CLAIRE KIM

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EDUCATION

McMaster University

Bachelor of Engineering Computer Engineering

Hamilton, ON

Sept 2021 - April 2025

Relevant Courses: Logic Design, Intro to Electrical Engineering, Data Structures & Algorithms (C/C++)

SKILLS

Languages: Python, C/C++, Java, HDL, Verilog, MATLAB
Design: Adobe Creative Suite (Photoshop, Illustrator), Canva, Krita, IbisPaintX
Tools: Figma, Autodesk Inventor, Granta
Communication: English, French, Korean

EXPERIENCE

Electromagnetic Rod

Manager

<https://bit.ly/3GzN5Ag>

March 2022 - April 2022

- As a team of 5, developed an ergonomic electromagnetic rod to aid in manipulating board game pieces of a client with Ehlers-Danlos syndrome
- Redesigned the original glove prototype to a rod for ease of accessibility and reduced strain
- Creatively managed material shortages by alternate solutions and cost effective household material replacements
- Allocated tasks based on duration of completion, urgency, and changes to feasibility of parts

DeltaHacks

Design Executive

Hamilton ON

Jul 2022 - Present

- Created over 40 assets for the official website, various merchandise, and marketing posts
- Utilized Figma, Krita, Illustrator, and MagicaVoxel to design 2D/3D assets and merch
- Worked with technical team's requirements and assisted designing a responsive UI
- Assisted with over 200 participant check-ins and organization of the hackathon event

Sorting and Recycling System

Programmer

<https://bit.ly/3Q9A17T>

Jan 2021 - March 2022

- Designed a system to detect different recyclable materials' characteristics by mounting to a Q-bot with a Q-arm, and disposing to the correct container
- Implemented functions in Python like path following and color recognition within the Q-Bot
- Successfully ran the program within a physical environment with efficiency and accuracy

The Richview Voice

Head of Graphic Design

Oct 2020 - June 2021

- Guided a team of 4 through over 30 artworks while handling multiple projects
- Resolved incoming design changes and deadline concerns with quick solutions or compromises

PROJECTS

HackDex Figma, Krita

Designed UI webpage elements and symbolic logo as well as the website mock-up in Figma.

<https://bit.ly/3Z3fKoG>

Artworks IbisPaintX, Krita, Canva, Photoshop, Illustrator

An archive containing the best of personal artworks, projects, and designs from 2020-Present

<https://bit.ly/3Z4Yb7K>

Graduates Yearbook Cover Photoshop, IbisPaintX

Designed an eye catching minimalistic cover incorporating the school's official colors and mascot.

<https://bit.ly/3GBCp44>

Collaborated with the organizers in drafting designs

AWARDS

Ontario Volunteer Service Award

This award recognizes volunteers for providing committed and dedicated service to an organization

Government of Ontario

Jan 2021