

Olivia Misasi

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PROJECTS

WATCopter

OCT - DEC 2019

- Worked as a team to create a self stabilizing, Bluetooth controlled quadcopter from scratch.
- Designed wiring diagrams and soldered brushless motors and electronic speed controllers.
- Implemented a basic form of PID Control by programming an **Arduino UNO** in **C++** to improve reliability and stability of motors under duress.
- Created a mobile application with **Java** and **Android Studio** using the Bluetooth API to control the quadcopter's flight.

Cards Against Humanities

JUNE 2019

- Designed a text-based game mirroring Cards Against Humanity in **Java**.
- Developed an inheritance hierarchy of various classes for the game architecture using **object oriented programming** principles.
- Kept track of multiple card decks and players through the optimization of **data structures** to allow large groups to play the game.

WORK EXPERIENCE

UCC Summer Camps, Toronto, ON — *KidTech and ArtTech Director*

JUNE - AUGUST 2019

- Developed 10 week technology based curriculum, exposing young children to various software platforms such as **Photoshop**, **Sketchup** and **Comic Life**.
- Responsible for the hiring, managing and evaluation of a large team of staff to ensure the smooth operation of the camp.

UCC Summer Camps, Toronto, ON — *KidTech Counsellor*

JUNE 2016 - AUGUST 2018

- Delivered introductory computer skills training sessions on Photoshop, SketchUp, ComicLife and KidPix.

EDUCATION

University of Waterloo, Waterloo, ON — *Bachelor of Software Engineering*

SEPT 2019 - MAY 2024

SKILLS

Languages: Java, C, C++, Python

Tools: Git, Arduino, Android Studio, SketchUp, Adobe Photoshop, Figma, Visual Studio, VS Code

AWARDS

Sandford Fleming Foundation Debate Award, 2019

Publication in University of Waterloo Gender Equity Anthology, 2019

President's Scholarship of Distinction, 2019

Governor General's Academic Medal, 2019

INTERESTS

Instrumental Music: clarinet, saxophone, guitar, piano

Creative Writing: short stories, poetry, news articles

Mixed Martial Arts: sparring, kickboxing, swordwork