

Education

University of Waterloo

09/2019 – Present

Bachelor of Computer Science and Business Administration Double Degree
Cumulative GPA: 3.88 | Graduation Date: September 2024

Projects

DeepFake Detector - **First Place at PennApps**

Developed an application that uses machine learning to detect deepfakes on celebrities with Python, HTML, JavaScript, and Node.js, allowing users to be notified if they are watching a DeepFake when browsing the internet.

Face Recognition Attendance Tracker – **Third Place at UOttHacks**

Created a device that uses facial recognition to keep track of people that enter or exit a room; used raspberry-pi to upload image data, flask to create a sever, and python to analyze the images.

AR Finger-Movement Controller

Designed a program that tracks and interprets a user's hand gestures, using socket to send information to an IOS application that manipulates the surrounding AR environment with XCode studio.

Experience

Software Engineer at FRC Robotics Team 4783

09/2015 – 07/2019

- Helped win district championship by using C++ and Wpilib to develop software applications, creating various modules to control robots
- Managed a team of 5 people as the calculations lead to solve difficult math problems concerning dynamics and geometry regarding the robots

Front End Developer at LDH Mental Health Movement

03/2017 – 07/2019

- Designed a website using HTML, CSS, and JavaScript to show information for events and opportunities
- Maintained a server using Node.js to streamline the process of updating events and assigning tasks for members

Skills

Languages

Java, C++, C, Objective-C, C#, Python, Swift, SQL, HTML, CSS, JavaScript

Technologies/Frameworks

Git, Slack, Node.js, React, Flask, Socket, XCode, Eclipse, Unity, AJAX, JSON