

Marius Makoto Shepherd

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EXPERIENCE

nwHacks, Recall

Jan 2023

Participant

- With three other group members, created a mobile application called Recall for nwHacks 2023, Western Canada's largest hackathon
- Responsible for backend architecture, deploying an OpenCV image similarity program
 - Worked with group mates to connect a SQL database and OpenCV to frontend React Native application by creating an API with Flask.
 - Application takes in images and compares with existing images in the database and outputs if a person is registered in the database by the user, aimed to assist family members with dementia.
- Also took charge of presentation to judges, communicating the ins and outs of the application to judges within four minutes and answering any questions for two minutes.

Dandandan, Unity Video Game

May 2022 – Sept 2022

Top Down RPG game

Tokyo, Japan

- Deployed a full top down Unity game self teaching C# and game design.
- Learned systematic programming principles and top down approaches.
- Applied object oriented programming principles learned in AP Computer Science.

JSLearn

Dec 2022 – Jan 2023

Object Detection Web Application

Vancouver, BC

- Created a website to teach the Japan Sign Language through machine learning models that was created through Tensorflow
- Deployed object detection models created using Javascript, HTML and CSS.
- Self taught machine learning with Tensorflow on Python, and made use of APIs with Teachable Machine.

Math Learning Center, Trinity College School

Sept 2021 – Jun 2022

Math Tutor

Port Hope, ON

- Tutored AP Calculus and Statistics to students as a member of the school math learning center.

EDUCATION

University of British Columbia

Currently Enrolled

Bachelor of Science, Expected Computer Science

Vancouver, BC

- Computer Science Student Association; UBC Biztech 4.10 GPA (UBC scale)

Trinity College School

Sept 2018 – Jun 2022

Bachelor of Science, Expected Computer Science

Port Hope, ON

- Varsity Rugby; Football; Green Cup Representative; Canadian Computing Competition

AWARDS, SKILLS & INTERESTS

- **Skills:** Java; Python; R; Unity; Racket; HTML; CSS; Javascript; OpenCV; Japanese (Bilingual); Collaboration;
- **Awards:** AP Scholar; Varsity Sports Award; CISAA 2019 Boys Rugby Champions; Top Scholar (10%. 2022);
- **Interests:** AI; Rugby; Japan-Canada Relations; Squash; Sports; Video Games; Hiking; Cybersecurity;