

Nicholas McGee

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<https://github.com/Nick-McGee>

EDUCATION

University of British Columbia, Okanagan

Sept. 2017 – Nov. 2021

BSc. in Computer Science

Kelowna, British Columbia

- Awarded Dean's List designation in fourth year for exceptional academic achievement.

SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, SQL.

Technologies: Git, Google Cloud, MySQL, Postgres, Redis, Flask, NumPy, PyTest, Postman, SSH, Linux.

SCHOOL PROJECTS

Microsoft and Mojang Capstone Project

Sept. 2020 – Apr. 2021

<https://github.com/yyht6300a/499Project-Minecraft-C>

- Delivered a full-stack machine learning teaching platform in Minecraft Education in 8 months that features an interactive Python coding environment with lesson instructions.
- Coordinated with principal engineers at Microsoft to define the project's scope and deliver reports.
- Featured at an internal event with ~100 engineers and executives with overwhelming approval.

Fantasy Sports Predictions with Decision Trees

Apr. 2021

<https://drive.google.com/file/d/1AjeiQfBuQneDVBBEtxaDxjLT05Wh-eVa/view?usp=sharing>

- Used several thousand data points with over 1 million predictors to create a boosted decision trees model with over 95% accuracy to predict NBA fantasy scores.
- Wrote a publishable research paper with generated graphs and tree images for data visualization.

T3 Sports Blog Site

Apr. 2021

<https://github.com/Hassan-Brar/COSC360-Team3>

- Designed the front-end for a sports blog site using HTML and CSS with Bootstrap to create both a desktop and mobile friendly experience.
- Created a MySQL database through phpMyAdmin to store user and blog data, which was accessed by the client with PHP and MySQLi.

PERSONAL PROJECTS

Audio Streaming Discord Bot

May 2022

<https://github.com/Nick-McGee/discordBot>

- Developed and deployed a Discord Bot in Python on Google Cloud, where users can queue audio via a search query, or YouTube URL, and stream audio from YouTube to a Discord voice channel.
- Implemented an event handler to update the message-based user interface to create a responsive and reliable user experience.

MyUni 24 Hour Hackathon Project

Jan. 2020

<https://github.com/Nick-McGee/readIDs>

- Utilized Google Cloud computer vision APIs to extract student names and numbers from student ID cards in a matter of seconds.