MATT ZHANG

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SKILLS

Languages: Python, Javascript, C, HTML, CSS

PROJECTS

97.0FM   Python, Discord.py
Discord.py Music Recommendation Bot   github.com/mzhang/97.0FM

- Created a public bot for the Discord instant messaging platform.
- Makes Youtube Music API calls to generate a Youtube playlist of relevant music from a single provided song

WSMAC   Python, Javascript, Microsoft Azure
NLP and grammar analysis with a machine learning model and hardware feedback

- Collaborated with small group to develop a device that gave physical feedback based on ML analysis of users' spoken grammar
- Uses Microsoft Azure speech-to-text to transcribe each spoken sentence
- Uses DistilBERT trained on CoLA to check for grammatical correctness
- Interfaces with Arduino for physical output

Clean Timer   Java
Java-based Android App for competitive Rubik's Cube solving   ply.gl/com.mzhang.cleantimer

- Worked in Android Studio to build a companion app to record and store puzzle-solving scores and statistics
- Published on Google Play

EXPERIENCES

Computer Science Club Executive *Lakefield College School*   September 2018 - June 2020
Led weekly meetings for 20 club members and organized first annual school-wide "Computer Science Day"

Camp Counsellor *Lakefield College School*   July 2019 - August 2020
Developed communication, teamwork and problem-solving abilities through working with a team to facilitate growth and academic abilities for 20 students

EXTRACURRICULARS

Hack the North 2020

Hackathon

GeekSeek 2020

CTF

Amassed over 690 community service hours to date

Volunteering

EDUCATION

University of Waterloo   Waterloo, ON
CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING (BSE) *GPA: 4.0*   2020 - 2025