Yanni Wang

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Skills

Languages :	Proficient in: Java, Python
	Familiar with: C/C++, Javascript, HTML/CSS
Tools/Frameworks :	Git, React, SQL, Bootstrap, Java.Swing, Heroku, IntelliJ IDEA

Projects

Discord Game Suggestions Bot   Jan 2021

- Created a discord bot in **Python**, using the **discord.py API** that suggests multiplayer games
- Uses a system that sums the rankings per game and returns the games based on the sum, highest to low
- Made user input (ranked games) accessible in all discord servers by using a userid **JSON dictionary**
- Hosted the bot through "uptimerobot"

Interactive Graphical Calculator   Oct 2020

- Coded an interactive graphical calculator GUI in **Java Swing** using **OOP** principles to visually demonstrate math concepts
- Enabled users to plot the desired axis and multiple line-segments/circles, computing and displaying relevant mathematical descriptions such as formulas and points of intersections
- Implemented a **save/load** feature that would save the drawn on elements in a text file which can later be retrieved and reused

Moodify Web App   Aug 2020

- Built a Spotify extension using **JavaScript** and **React** that takes in both verbal and manual user input and generates a playlist that matches their mood input
- Implemented the **verbal speech to text** feature using the **Microsoft Azure API**

Math Worksheet Generator   July 2020

- Created a GUI in **Java Swing** using **OOP** principles that generates 10 math questions to do and returns a mark and an encouraging comment upon completion
- Takes in user input to select a mathematical operator and the difficulty (ones/tens/hundreds)

Experience

Kumon - Math Team Lead   Sept 2018 - March 2020

- Provided one on one tutoring in math, ranging in topics from basic algebraic addition to high-school level functions, calculus and vectors
- Working with students ages as young as 4 years old to those in secondary school

Erindale Athletic Council - President   Sep 2017 - June 2020

- Ran weekly council meetings where I spearheaded the planning for our first ski-trip in three years
- Helped coordinate and run other events such as volleyball, flag football, basketball, and badminton intramurals, fundraisers, and the Terry Fox Run

Erindale Varsity Badminton Team - Doubles Player   Feb 2017 - March 2020

- Received the "Senior Varsity Badminton **MVP award**" in 2018
- Assisted the set-up and take down of the nets, attended daily practices and participated in ROPSSAA

Education

University of Waterloo   Sep 2020 - Exp. 2025

Bachelors of Computing and Financial Management (CFM)

Majors: Computer Science, Accounting/Finance - average (92.4%)