SAM ZHANG

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EDUCATION

McGill University, Montreal   *Aug 2022 - May 2025 (Expected)*
B.A., Computer Science
Champlain College, St-Lambert   *Aug 2020 - June 2022*
DEC, Social Science: Commerce
Social Science Certificate of Merit: Highest Achievement in Economics

PROJECTS

Cringe Bot   Nov 2022 - Present
Collaborative

· Built a Discord chat bot with **Typescript** and **PostgreSQL** that allows for various user interactions using the Discord.JS library.
· Implemented a feature that allows users to map their LeetCode username to their Discord ID in a database and retrieve their total problems solved in the chat.
· Implemented a feature that allows users to request a randomly selected roast phrase from the database.

DrooVE   Nov 2022
Collaborative

· Award: Best Beginner Hackathon Project - McGill CodeJam12
· Lead the backend development of a web-app built with **Node.JS** that recommends an itinerary for truck drivers with information about when and which rest area to stop by taking into account the user's hours of sleep, departing location and estination.
· Created an algorithm that combines two Google Maps API to fetch data of all rest areas along a route.
· Created an algorithm that finds the driver's position after a given drive time and the closest rest area to said position.

TECHNOLOGY

Programming Languages	Python, JavaScript, Typescript, SQL
Databases	PostgreSQL
Tools	HTML, CSS, Git, GitHub, LaTeX
Frameworks	Node.JS

LANGUAGES

English	Fluent
French	Fluent
Mandarin	Native
Cantonese	Native