Matthew Phang

🌐 matthewphang.com | ✉ matthew.phang@torontomu.ca | 💼 matthewcyphang | ⌘ mattp532 |

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, SQL
Technologies: React, Express.js, Node.js, Flask, Tailwind CSS
Developmental Tools: Git, MongoDB, PostgreSQL, Google Analytics

EDUCATION

Toronto Metropolitan University   Toronto, ON
Bachelor of Science in Computer Science - 3.73/4.0 GPA   *Sep. 2024 – May 2029*

PROJECTS

⌘ Composerdle | PostgreSQL, Express.js, React.js, Node.js

- Utilized the PERN stack to develop a full-stack web application that challenges users to guess a daily composer based on categorical data stored in a PostgreSQL database
- Developed a REST API to track user statistics, calculate daily averages, and maintain global totals for daily guesses, ensuring real-time data updates.
- Created a user authentication system using JWT (JSON Web Tokens) for secure sign-ins, allowing users to track their personal progress between sessions

⌘ Virtual Guitar Amp Simulator | Web Audio API, MongoDB, Flask, React.js

- Developed a virtual guitar amp simulator using the Web Audio API, enabling real-time audio processing with customizable amp settings and pedal effects.
- Integrated a Flask REST API to save and load custom presets from a MongoDB database
- Implemented a secure user sign-in system using Firebase Authentication and Flask, enabling users to sign in and manage their custom presets while ensuring data integrity and privacy.

⌘ Lingify | *React JS, Tailwind CSS, DaisyUI*

- Developed a dynamic language learning website that provides users with over 100 phrases in multiple target languages to test their translation skills.
- Implemented functionality for users to select their preferred difficulty level (beginner, intermediate, advanced), adjusting the phrases displayed based on their level.

EXPERIENCE

Marketing Executive   Sep 2023 – June 2024
Platform for Youth Creativity   *Markham, ON*

- Produced engaging video content, reaching over 10,000 views and significantly increasing awareness of the organization's mission and events.
- Organized and executed a successful semi-formal fundraising event, attracting a large audience and raising over 1,000 dollars to support 360 Kids, a local non-profit organization.
- Collaborated with teams to ensure cohesive messaging and effective promotion across social media platforms.

Cashier   Jun 2022 – Jan 2023
A&W Canada   *Markham, ON*

- Collaborated effectively with team members and kitchen staff in a fast-paced environment to maintain a clean, organized workspace, uphold health and safety standards, and ensure seamless restaurant operations under pressure.
- Operated the cash register, processed customer transactions accurately, and ensured a smooth, efficient checkout experience, contributing to the overall success of daily operations.
- Provided exceptional customer service by addressing inquiries, resolving issues, and creating a positive and welcoming environment for each guest, enhancing customer satisfaction and loyalty.