MATHEW LUONG

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EDUCATION

University of Calgary - Bachelor of Science, Computer Science, 3.7 GPA   Sep 2018 - Dec 2022
- Relevant coursework: Object Oriented Programming, Data Structures & Algorithms, Computer Networks, Database Management Systems, Principles of Operating Systems, Network Systems Security, Web-Based Systems

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks and Libraries: React, React Native, Next.js, MongoDB, Node.js, Express.js, Tailwind CSS
Developer Tools: Firebase, Git, npm, Agile/Scrum methodology

PROJECTS

CVNNECT   **Link**

Fullstack web application   React, TypeScript, Jest, Firebase, Tailwind CSS
- Architected a serverless SaaS website for creating and sharing digital business cards
- Built support for customizing business card templates and sharing cards by QR code, email, or link
- Implemented user authentication with multiple auth providers (Google, Email) using Firebase authentication

MovieFinder   **Link**

Fullstack web application   Next.js, TypeScript, NextAuth, Tailwind CSS, MUI, PostgreSQL
- Developed a single page application that accesses TheMovieDB API endpoints for searching for movies, accessing random movies, and favouriting movies
- Implemented server-side rendering with Next.js 13 to improve page load time, achieving Lighthouse Performance, Accessibility, and SEO scores of 100
- Integrated backend API with frontend to support CRUD operations such as creating a user account, adding favourites, and removing favourites

Blog Site

Fullstack web application   MongoDB, Express.js, React, Node.js, JavaScript
- A web application similar to Reddit, developed on the MERN stack where registered users can create text/image posts and engage with them
- Designed and implemented a RESTful API with a MongoDB database to handle post creation, retrieval, deletion and storing user information
- Devised a mobile-first, responsive UI using Figma and implemented the front end through reusable React components

Study Bot

Discord chat bot   Python
- Developed a Discord bot that responds to user commands in servers or direct messages
- Supports functionality to create a to-do list, set reminders, create flashcards, create private study rooms, and start polls
- Refined user experience significantly through detailed documentation and user examples

EXPERIENCE

Hyatt Regency Calgary - Banquet Server   Sep 2018 - Present
- Lead and mentor a team of 4-5 banquet servers, ensuring all members are organized for exceptional service
- Collaborate with servers to guarantee high quality service in a prompt and courteous manner according to event order
- Communicate effectively with guests, resolving issues or concerns in a timely and professional manner