

MATHEW LUONG

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EDUCATION

University of Calgary - Bachelor of Science, Computer Science, 3.7/4.0 GPA 2018-2022

- 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, C++, JavaScript, TypeScript, HTML, CSS, SQL

Frameworks and Libraries: React, React Native, Next.js, MongoDB, Node.js, Express.js, Tailwind CSS

Developer Tools: Git, npm, Agile methodology

PROJECTS

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 a responsive, intuitive user interface using Figma and implemented the front end through reusable React components
- Implemented a RESTful API with a MongoDB database to handle post creation, retrieval, deletion and storing user information

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

Task App

Native iOS and Android application

React Native, Expo, JavaScript

- Emphasized on user experience by designing intuitive and modern interface in Adobe XD
- Improved user experience by implementing seamless navigation and incorporating a calendar view

EXPERIENCE

Banquet Server - Hyatt Regency Calgary

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