

Matthias Jason Kee

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Education

University of Calgary

Sep 2022 – Apr 2025 (Anticipated)

Bachelor of Science in Computer Science

Relevant Coursework: Artificial Intelligence, Data Structures and Algorithms, Database Management Systems, Computer Networks, Web-Based Systems, Software Process and Project Management.

Skills

Languages: Java, C, C++, Python, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks: Node.js, React, Next.js, Express, Flask

Tools: AWS, GitHub/Git, Docker, Figma

Databases: PostgreSQL, MySQL, MongoDB

Professional Experience

Enlighten Media

January 2024 – Present

Full-stack Developer

- Developed the company's website with a focus on creating a modern, user-friendly interface to boost brand visibility by 87% and improve user experience.
- Designed and implemented webpages, ensuring smooth functionality by managing both front-end and back-end components.
- Designed and implemented an intuitive content management system (CMS) to optimize and streamline the website's content management process.

Projects

[Resident Connections](#) | *Python, Flask, PostgreSQL, Next.js, TypeScript, Tailwind CSS*

- Developed a comprehensive web application to analyze and visualize Southern Resident Killer Whale data.
- Implemented an efficient *PostgreSQL* database to store and organize whale information.
- Created a *Flask* API to handle backend requests to serve data to the frontend.
- Developed an interactive network graph to visually represent whale family relationships, allowing users to explore connections.

Calgary Real Estate Web Scraper | *Python, Selenium, Pandas*

- Developed a real estate web scraper design to gather property listings across the city of Calgary.
- Automated data extraction for key property details including price, location, square footage, and property type.

TuneTeller | *Node.js, React, JavaScript, Express, Spotify API*

- Developed a full-stack application to provide users with insights on their *Spotify* listening habits.
- Integrated RESTful API calls to the *Spotify API* to fetch and display various user data points.
- Designed an engaging dashboard that highlights user statistics, including top artists and tracks and playlist and track analytics.