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ABOUT ME

Aspiring Web Developer transitioning into tech with a strong foundation in problem-solving and analytical thinking, honed during my academic career and a soon-to-be-earned Ph.D. in Music Theory. I excel at tackling complex challenges and translating intricate ideas into practical solutions for web development.

Skilled in JavaScript, React, and Ruby on Rails, REST APIs, SQL, and testing frameworks, I combine technical expertise with adaptability and collaboration. I am ready to contribute to dynamic teams and build impactful, user-focused applications.

SKILLS

Languages & Frameworks

Node.js | JavaScript | Ruby | SQL | Python | HTML | Express | Rails | React | CSS

Tools & Technologies

Git | GitHub | Visual Studio Code | Bootstrap | REST APIs | Mocha | Chai | RSpec | Cypress

Research & Analytical Tools

Microsoft 365 | Data Organization | Academic Research

Teaching & Communication

Curriculum Development | Lecturing | Public Speaking | Technical Writing

Soft Skills

Adaptability | Problem Solving | Critical Thinking | Collaboration

Languages

English (Bilingual) | Spanish (Bilingual) | German (Fluent) | French (Conversational)

EDUCATION

Lighthouse Labs

Sep. 2024–Dec. 2024

Diploma: Web Development

University of Toronto

Sep. 2019–June 2025 (exp.)

Doctor of Philosophy, Music Theory

University of Toronto

Sep. 2016–June 2018

Master of Arts, Music Theory

Concordia University

Sep. 2012–June 2016

Bachelor of Fine Arts, Music Composition

PROFESSIONAL EXPERIENCE

University of Toronto

Toronto, ON

Full stack Web Developer

Feb. 2025–present

- Designing and creating database for “European Refugee Musicians in Canada” online biographical dictionary
- Developing a web application with a React frontend, integrated with a CMS-backed database to manage dynamic content efficiently
- Integrating a custom API to fetch and display structured content efficiently

University of Toronto

Music Theory Course Instructor

Jan. 2023–May 2023

- Simplified complex concepts for undergraduates, showcasing skills in breaking down technical problems.
- Led interactive lectures, fostering collaboration and critical thinking.
- Managed teaching assistants, ensuring consistency and quality.

University of Toronto

Research Trainee

March 2023–July 2024

- Conducted in-depth research on music theory topics, and synthesized data for academic publication.
- Drafted and edited materials, paying attention to detail and clear documentation.

University of Toronto

Research Assistant

Jan. 2021–March 2023

- Created and managed large datasets to support faculty research projects.
- Refined analytical methodologies through collaboration, fostering a problem-solving environment.

University Settlement Music & Arts School

Faculty Member and Theory Teacher

Toronto, ON

Sep. 2018–Aug. 2021

- Tailored lessons to diverse skill levels, emphasizing adaptability to student needs.
- Assessed student progress and implemented targeted instructional strategies, achieving high exam pass rates.
- Used creative teaching methods to maintain student engagement and foster a collaborative learning environment.

HIGHLIGHTED PROJECTS

European Refugee Musicians in Canada Online Biographical Dictionary in progress

Scope: a static content web application that allows users to perform custom searches and browse the dictionary's contents.

Tools: Node.js, React, JavaScript, Contentful, REST APIs, CSS

Express TinyApp v2.0

January 2025

Scope: a multi-page web application for managing and sharing shortened URLs, emphasizing user permissions and database-driven data handling.

Tools: Node.js, Express.js, EJS, PostgreSQL, JavaScript, HTML, CSS, Chai

Description:

- Built RESTful routes for secure authentication, URL creation, and management.
- Designed dynamic, responsive EJS templates for a user-friendly experience.
- Configured PostgreSQL for reliable data storage and integrity.

Jungle

November 2024

Scope: enhanced and stabilized a pre-existing e-commerce web application by resolving bugs, implementing testing, and ensuring smooth functionality across key-features.

Tools: Ruby on Rails, RSpec, PostgreSQL, HTML, CSS, JavaScript

Description:

- Debugged and resolved application issues, improving reliability and performance.

- Implemented RSpec tests to validate core functionalities, ensuring consistent behaviour.
- Collaborated with the existing codebase, identifying and fixing edge cases to enhance user experience.

Photolabs

November 2024

Scope: a single-page web application for photo display and management, featuring a front page that displays photos and a modal window that shows selected photo along with similar photos.

Tools: React, Node.js, Express.js, Webpack, SCSS, JavaScript, HTML, CSS

Description:

- Implemented a responsive frontend using React, allowing users to view and interact with photos seamlessly.
- Developed a backend server with Node.js and Express.js to handle API requests and serve data efficiently.
- Styled the application using SCSS for a modern and consistent user interface.