

Alexis Millares Thomson

Full-Stack Web Developer

Toronto, ON

a_millaresthomson@outlook.com • (647) 210-2044

amusictheorist.com • github.com/amusictheorist • linkedin.com/in/alexis-millares-thomson

SUMMARY

Full-stack web developer with experience building React applications, CMS-backed platforms, and structured data systems for research and content-heavy web applications. Skilled in JavaScript, TypeScript, React, Node.js, and API integration, with a strong focus on maintainable architecture, search interfaces, scalable content workflows, and user-centered design.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, React, Node.js, Express, Ruby on Rails, SQL

Architecture & Data Modeling: CMS Architecture, Relational Content Modeling, Search & Filtering Interfaces

Frontend & Visualization: Tailwind CSS, SVG, Three.js

Tools & Platforms: Git, GitHub, REST APIs, Jest, Cypress, Contentful CMS, Netlify

EXPERIENCE

University of Toronto—Full-Stack Web Developer (Contract)

2025–Present

- Developed React-based research platforms backed by Contentful CMS and custom API integrations.
- Developed reusable frontend architecture and client-side data workflows for complex CMS-driven applications.
- Built filtering and metadata navigation systems for exploring interconnected research records.
- Contributed to structured editorial workflows supporting scalable content publishing and management.

University of Toronto—Instructor

2023–2026

- Taught undergraduate courses and coordinated teaching assistants across multiple classes.
- Developed structured instructional materials and learning workflows for communicating complex analytical concepts.
- Led large-group lectures and facilitated iterative feedback and evaluation processes across multiple course sections.

SELECTED PROJECTS

Professional & Research Applications

ERMiC Online Biographical Dictionary—React, Contentful CMS, Tailwind CSS, Jest, Netlify

- Built a CMS-backed React application for browsing and searching a large, structured research dataset.

- Implemented advanced client-side filtering and search interfaces for navigating interconnected content records.
- Built reusable state-management hooks and frontend utilities for scalable data rendering workflows.
- Built testing workflows using Jest for frontend reliability and maintainability.

19th-century Sonata Form Research Database—React, TypeScript, Contentful CMS, Jest, Netlify

- Developed a structured React platform for managing and exploring complex analytical datasets.
- Designed relational content models and metadata workflows for large-scale structured records.
- Built interfaces for filtering, editing, and navigating interconnected analytical content.

Cognitive Learning Tools Website—Astro, Tailwind CSS, Netlify

- Developed a responsive marketing and informational website for a private practice using Astro and Tailwind CSS.
- Built reusable layout systems and responsive navigation components for maintainable content management.
- Optimized static rendering and deployment workflows for performance and scalability.

Harry Somers at 100 Symposium Website—11ty Tailwind CSS, Netlify

- Developed a responsive event website with static site generation and integrated registration workflows.
- Implemented Netlify form handling and deployment workflows for content management.

Interactive Frontend Applications

Ratio Lattice Visualizer—React, Three.js, SVG

- Built an interactive 3D visualization system with dynamic rendering and real-time navigation controls.
- Implemented reusable scene management and state-driven visualization modes.

Harmonic Spiral Visualizer—React, SVG

- Developed an interactive SVG-based visualization interface with keyboard navigation and dynamic rendering interactions.

Transformational Tonnetz—React, TypeScript, SVG

- Built interactive SVG rendering systems with zoom controls and state-driven visualization behavior.
- Implemented multiple interaction modes and dynamic rendering updates for real-time user interaction.

EDUCATION

Lighthouse Labs—Diploma, Web Development

University of Toronto—MA, Music Theory

Concordia University—BFA, Music Composition