

Ewan Townshend

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Education

University of British Columbia Bachelor of Computer Science	VANCOUVER, B.C. 2021 – 2024
University of British Columbia M.A. (Ths.) Philosophy	VANCOUVER, B.C. 2018 – 2021
University of Lethbridge B.A. (Hon.) Philosophy and Anthropology	LETHBRIDGE, A.B. 2012 – 2017

Projects

nice-org-html

- Emacs package that generates customizable, responsive, static websites from hyperlinked Org Mode markup files and user-specified Emacs themes, with defaults optimized for code documentation.
- Tools: Emacs Lisp, JavaScript, CSS

Guiser

- Web application partially automating creation and publication of social media content.
- Enables a user to manage multiple personas, create topical content under a given guise with the assistance of large language models, then post that content to associated profiles on various platforms.
- Tools: TypeScript, JavaScript, MERN (MongoDB, Express, React, Node.js), OAuth, LLM APIs

search-factory

- Library of higher-order functions that produce graph-search functions to client specifications.
- Tools: #lang Racket (a Scheme variant)

LifeInteractive

- Java implementation of a novel single-player game based on John Conway's zero-player *Game of Life*.
- Tools: Java 8, Swing

Employment

WorkSafeBC Software Developer	RICHMOND, B.C. 09/2022 – pres.
Began in a full-stack intern role developing an enterprise Java project based on the Cúram platform. Currently in a back-end / DevOps role, making REST APIs and event-driven architecture to integrate various .NET microservices with each other and the Java monolith, all running on Azure cloud.	
The University of British Columbia Graduate Teaching Assistant	VANCOUVER, B.C. 09/2018 – 04/2021
Planned and facilitated delivery of course materials, organized and led discussion groups and review lectures, communicated with students to identify research interests and address knowledge gaps, and evaluated student performance on assignments, essays and exams.	
iSoftStone Canada Search Engine Evaluator	REMOTE 08/2017 – 04/2018
Interpreted query intent, analyzed sponsored search results, researched products and services, and evaluated results for text quality and relevance to query.	

Technologies

- Languages: Scheme, Lisp, C, C#, Java, JavaScript, TypeScript, HTML/CSS, UIM (Cúram DSL), SQL, L^AT_EX
- Frameworks and Libraries: Node, Express, React, Mocha, JUnit, Selenium, Cúram, .NET Azure SDK
- Tools: Emacs, IntelliJ, Eclipse, Visual Studio, Git, Linux, MacOS, Windows, Azure DevOps Services