

Brendan Lynch

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in/brendanml

EDUCATION

University of Victoria

BSc in Computer Science, Second Year

May 2021 – Present, Victoria, Canada

- Awarded an **entrance scholarship** based on exceptional academic standing.
- Proudly accepted into the Faculty of Engineering and Computer Science after exceeding transfer requirements.

SKILLS

PROGRAMMING: Python, JavaScript, Java, C, C++, TypeScript.

LIBRARIES & FRAMEWORKS: Node.js, Express, React, Bcrypt, Mongoose, Joi, Bootstrap.

DATA & MARKUP: MongoDB, MySQL, HTML, CSS, EJS.

PROJECTS

Concordance – Text highlighter

- Written in **C** practicing principles of safe memory management.
- Takes piped in text input and based on selected key words, outputs all instances of the words along with relevant surrounding text via **regex** pattern matching.

Campies – Campsite posting and review

- **Express** web app enabling authorized users to post and review local campgrounds via **bcrypt authentication**.
- Data storage handled in **MongoDB** database in **Joi** object validated schemas.
- Reactive web pages built with **Embedded JavaScript**.

Book Finder – Information on books

- Helps users find all relevant information on queried book via **RESTful Google Books API**.
- Parses **JSON** file and embeds info on an **HTML** on a responsive webpage using **CSS Flexbox**.
- User friendly by providing graphics that scale and change colour based on page count.

Simple Web Server – Python3 request processor

- Web server emulating **nginx** functionality in responding to get requests by pattern matching the request via **regex**.
- Supports multiple simultaneous **TCP** connections by disabling blocking to queue requests in a buffer.

CERTIFICATIONS

Web Developer Bootcamp

by Colt Steele

Jan 2022 – May 2022, Victoria, Canada

- Designed and deployed **Express** web apps learned via asynchronous lectures and readings.
- Stack includes **Node.js**, **Express** framework, **MongoDB**, and Embedded JavaScript (**EJS**) for markup.
- Certificate of completion available upon request.

WORK EXPERIENCE

Canada Post Company

Letter Carrier

July 2020 – Present, Victoria, Canada

- Comfortable with fluctuating workloads and meeting deadlines as parcel volumes routinely increase during winter times.
- Developed my eager-to-learn mindset by tackling new delivery routes every day.

PERSONAL

Youth Football

Cowichan Valley, Canada

- Team player on and off the field as I sported the rank of captain for my final six years.
- Led by example by volunteering to coach the younger kids and attending Salvation Army Christmas Kettle fundraisers.