TYLER FRETZ

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/tylerFretz

EDUCATION

Lakehead University

Graduating April 2023

Honours Bachelor of Science in Computer Science – Current GPA: 3.87

Georgian College

2019-2021

Computer Programmer CO-OP – Cumulative GPA: 4.0

TECHNICAL SKILLS

Languages: Typescript, JavaScript, Java, C++, SQL, HTML, CSS

Frameworks/Libraries: React, Redux, React Native, Express, Node.js, Jest, Cypress

Developer Tools: Git, Jira, VS Code, Visual Studio, IntelliJ

PROJECTS

Recipes Web App | *MongoDB, Express, React, Node.js*

source | demo

- Full stack web app to simplify finding, saving, and sharing recipes
- Implemented search and advanced property filtering for a smoother and easier user experience
- Developed automated deployments using CI/CD with integrated Jest unit testing to enable faster and more portable deployments

Sorting Algorithms Visualizer | *React, Redux, Node.js*

source demo

- Provides a deeper understanding of common sorting algorithms by allowing users to pause and step through each iteration of the algorithm
- Employed a heavily customized Material UI component library to create a responsive, accessible, and consistent user interface
- Optimized performance by using Gzip compression, request result caching, and prefetching resulting in a 99/100 performance score on Google Pagespeed Insights

Rate Repository App | React Native, Expo, Apollo/GraphQL

source

- Allows users to find and review open-source projects fetched by Github's GraphQL API
- Implemented infinite scrolling using GraphQL cursor-based pagination
- Performed sanitization and validation of all user submitted review data

WORK EXPERIENCE

Bartender 2016 - Present

Bayview Wildwood Resort

- Excelled at working in a fast-paced environment that demanded strong multi-tasking skills and effective co-ordination with team members
- Led successful teams in restaurants of various styles and sizes with a focus on accountability and open communication, resulting in low staff turnover and high customer retention