


# TYLER FRETZ

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## EDUCATION

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### Lakehead University

Graduating Dec. 2023

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

### Georgian College

Sept. 2019 – Aug. 2021

*Computer Programmer Diploma – Cumulative GPA: 4.0*

## WORK EXPERIENCE

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### Mely.ai

June 2022 – Dec. 2022

#### Software Engineer Intern

Montreal, QC

- Developed APIs in ASP.NET and Python Flask to support CRUD operations and provide solid data communication from a PostgreSQL database
- Discovered inefficiencies in data fetching and implemented changes which resulted in a reduction of Total Blocking Time by 300%
- Led a team of 3 during the development of an MVP app for a prospective client which resulted in the successful closing of a major contract with them
- Owned the entire lifecycle of a project for a new client, ensuring all deliverables were met by engaging in continuous communication with external stakeholders

### Bayview Wildwood Resort

June 2016 - Present

#### Bartender

Muskoka, ON

- 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

## PROJECTS

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

[source](#) | [demo](#)

- Full stack web app to simplify finding, saving, and sharing recipes
- 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

## TECHNICAL SKILLS

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**Languages:** C#, Java, SQL, Typescript, JavaScript, HTML, CSS

**Frameworks/Libraries:** Vue.js, React, Redux, React Native, Express, .NET, Jest, Cypress

**Developer Tools:** Git, Jira, Azure DevOps, Visual Studio, Docker Desktop, Postman