

Spencer McMurray

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Experience

Ceridian - Dayforce 8 months Software Developer Intern

Sept. 2019 - Dec. 2019, Sept. 2020 - Dec. 2020
Agile Development / C# / .NET / JavaScript / MVVM

- Operated remotely in an **Agile** team to overhaul the Performance system, used by **millions** of people.
- **Individually** developed unique functionality to give users better control over their workforce.

Top Projects

Minecraft Multi-Instance Macro

Python / OBS Websocket / Win32 / AutoHotkey

Macro for running multiple instances of Minecraft to optimize speedrunning

- Utilized by **thousands of players** to save **hundreds of hours daily** in loading screens.
- Minimized hardware requirements by applying **Process Suspension, CPU Affinity and Working Set Size**.
- Interacted with **hundreds of users** to efficiently resolve any critical issues.

AutoTab

React / Next.js / Flask / Azure / Firebase / MySQL / MongoDB

System for rapid tabulation of Irish Dance competitions with Computer Vision

- Modernized handwritten tabulation using **Azure's Computer Vision** to **increase speeds by over 300%**
- Interfaced with Google's **Firebase Authentication** to provide a simple and secure user experience

Personal Website

Typescript / React / Next.js / Serverless / GitHub API

Personal site to introduce myself and show off my top projects

- Developed **Serverless Functions** to fetch my repositories and their stats using the **GitHub API**
- Integrated a dark-mode toggle with support for easily changing themes using React's **Context API**

Education

University of Toronto, St. George Campus Honours Bachelor of Science in Computer Science

Sept. 2017 - 2022

- Specializing in **Website Development, Artificial Intelligence, and Computer Vision**

Skills

- **Languages:** TypeScript/JavaScript, Python, C#, Java, PHP, SQL, C
- **Technologies:** React, Next, Flask, Node, Express, Git, Nest, Firebase, MySQL, MongoDB, Unix, UML