Ryan Chisholm

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EDUCATION

Wilfrid Laurier University   Waterloo, On
Honors Bachelor of Science in Computer Science with Co-op   *Sept 2022 - April 2026*

RELEVANT EXPERIENCE

Software Developer   Aug 2023 - Present
Laurier Financial Technology
- Assisted in development of a webapp focused on financial data analysis, using advanced data visualization techniques and stock market trends to forecast the potential value of investments
- Lead development of Financial Analysis Discord bot designed to analyze market data, providing users with real-time market data, financial statements and market trends
- Aided department heads in development of OpenFintech, a comprehensive financial analysis library with advanced tools to access and analyze market data seamlessly

Software Engineer   Oct 2022 - Present
Computing Councils of Canada
- Employed innovative solutions to enhance website functionality, such as event calendars, user registration forms, and dynamic content updates
- Lead development of a discord bot designed to assist users with club and event registration, and facilitating seamless communication within the community
- Regularly updated and maintained both the Discord bot and the official website to align with the evolving needs of the club and its members

PROJECTS

OpenFintech | *Python, Alphavantage API, Pandas*   August 2023 - January 2023
- A comprehensive financial analysis library, meticulously crafted to enhance the utilization of the Alphavantage Stock Market API, providing users with a robust set of functions tailored for seamless data extraction and analysis
- Contains a wide range of methods, helping users to effortlessly pull financial statements, retrieve real-time market prices, access endpoint quotes, and extract other critical data points from the API
- OpenFintech package was designed to interact with the Alphavantage Stock Market API, allowing users to tap into a wealth of financial data

ExTracker Banking App | *React, Next.js, Express.js, TypeScript, Firebase*   March 2023 - May 2023
- A dynamic and intuitive web application focused on empowering users to take control of their finances
- An easy way for users to input and categorize their spending data, and recommended changes they need to make to meet their budget
- Utilized the Firebase Realtime Database and Authentication service to store and retrieve user data efficiently, and provide security for user login and data

LCS Hub | *React Native, TypeScript, Firebase, Android Studio*   Oct 2022 – Feb 2023
- A mobile app designed for Laurier Computer Science Students, serves as a central hub for students, providing essential tools and resources for academic and professional success
- Contains a real-time chatroom that allows for instant communication and collaboration between students
- Utilizes a Twitch API allowing users to watch streamed events on campus live directly within the app
- Developed a news feed within the app to keep students informed about the latest university news and updates
- Prioritized a user-friendly and intuitive design, ensuring easy navigation and a seamless user experience

TECHNICAL SKILLS

Languages: Python, Java, C#, C, JavaScript, Typescript, HTML, CSS, R, SQL, Assembly, VBA
Frameworks: Flask, React Native, Node.js, .NET Core, Bootstrap
Developer Tools: Firebase, MongoDB, Google Cloud, Firebase, AWS, Google Analytics, OAuth, VS Code, Eclipse, IntelliJ Idea, Pycharm, RStudio, Github, Android Studio
Libraries: React.js, Next.js, Express.js, Pandas, tidyR