

Ryan Chisholm

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EDUCATION

Wilfrid Laurier University

Honors Bachelor of Science in Computer Science, Minor in Business

Waterloo, On

Sept 2022 – April 2026

RELEVANT EXPERIENCE

Software Developer

Oct 2022 – Present

Computing Councils of Canada

Remote

- Developing and maintaining front end using React and Node.js
- Developing and building database for web content using MongoDB and TypeScript

Web Developer

March 2023 – Present

Laurier Computing Society

Waterloo, On

- Developed frontend using React and Next.js, with TypeScript
- Used React and Express.js to create user authentication system
- Managing data security and authentication firewall of Firebase database

Mobile App Developer

Oct 2022 – Feb 2023

Laurier Computing Society

Waterloo, On

- Used Firebase database to allow Admin to add content to app via secondary webpage
- Implemented twitch API to allow users to view live events being run
- Used Firebase authentication to develop user authentication system for chatroom
- Developed chatroom feature to allow user messaging across servers
- Aided in development of front end UI components using React Native and TypeScript

PROJECTS

Expenses Tracker Web App | *React, Next.js, Express.js, TypeScript, Firebase*

March 2023 – Present

- User authentication and login system
- Advanced data privacy/security features
- Real time data tracking and analysis
- AI chatbot for investment and financial tips and advice

LCS Hub | *React Native, TypeScript, Firebase, Android Studio*

Oct 2022 – Feb 2023

- Mobile app for the laurier computing society
- User authentication and chatroom
- Implemented Twitch API for live events
- Realtime database for app content and resources

Sprout | *Python, Flask, HTML, CSS*

October 2022

- Built for the GoldenHack hackathon at Wilfrid Laurier University
- Webapp to promote sustainable initiatives, users have the option to donate and invest in these firms
- Payment information uploaded to secure database, sent to firms through Apple pay transaction integration
- Caters recommended companies to user activity and preferences

Changing Climate Data Analysis | *R, Data Analytics, Data Modelling, RStudio*

Nov 2022 – Dec 2022

- Developed model to predict future affects of climate change, based on data from 1980 onwards
- Tidied excel data and computed in RStudio
- Built AI model and plotted predictions

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, C++, Typescript, HTML, CSS, R, SQL

Frameworks: Flask, React Native, Node.js, .NET Core, Bootstrap

Developer Tools: Firebase, MongoDB, Google Cloud, Google Analytics, OAuth, VS Code, Eclipse, IntelliJ Idea, Pycharm, RStudio, Github, Android Studio

Libraries: React.js, Next.js, Express.js, tidyR