

Magnus Reeves

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Western University

Bachelor of Science in Software Engineering

Deans Honors list: 84%

London, Ontario

Currently Enrolled in Year 4

WORK EXPERIENCE

Console One

Front End Software Engineer.

Toronto, Ontario

May 2022 – September 2022

Front End Software Engineer, building UI components in React and Vanilla JS to construct a browser-based IDE for writing code that can be managed and deployed to AWS Lambda.

Experience:

- Using an event-based architecture we built a series of web components that allow a user to write and manage code in a browser environment
- Developed a strong understanding of the JavaScript event loop with callback functions and asynchronous programming with Promises.
- Developed a strong understanding of the React render cycle through side effect event management. As well as utilizing JSX for rendering data structures like mapping a list or data tree component recursion.
- Developed strong programming practices through working with a team of experienced people. Learned how to properly structure code that can be easily read by others. As well code that includes error handling and null validation of data through features like null checking and Typescript

DC Consulting

Junior Design Engineer

Toronto, Ontario

May 2019 – August 2021

3D design engineer, modeling machinery and buildings for manufacturing and commercial facilities using Autodesk software

Experience:

- Using 3D laser scanning data and previous 2D drawings, I created 3D models of Maple Leaf's food processing line and building facility in Autodesk software. As well, I created 3D animations of these models for construction and assembly linemovement
- I presented 3D models to Maple Leaf Foods engineers, who will use them to plan construction and reorganize machinery in their facilities
- I was the onsite engineer during construction phases to help plan and coordinate demolition and installation of machinery

Project Experience

App Development

Sorted To Do

- I created an app for managing To-Do-Lists that can be sorted based on a priority scheme and will notify you when due.
- Using React Native Expo
- Currently pending approval on the Apple App store
- Repo- <https://github.com/rreeves8/sorted-to-do-react-native>

NAM

- I currently am creating another app intended for social media use. Essentially an app for bartends and waiters to have better communication with their customers.
- Currently still in development
- Repo- <https://github.com/Nam-Expo>

Western Engineering Software Club

Lead Software Developer

London, Ontario

September 2022 – Present

- I recently began starting a club at Western where we will be working towards creating a Student Center app for the community at Western.
- My role is to manage the club through weekly scrum meetings and teach club members how our stack works and how they can contribute.

ADDITIONAL

- Fluent in many programming languages; Computer building hobbyist; Math and Statistics enthusiast oriented around AI
- Gold medal-winning skier at Craighleith Ski Club; Skilled player in AA GTHL Hockey; Bronze medallion and Bronze Cross Training
- **GitHub:** <https://github.com/rreeves8>