Robert Evans

robert.evans@mail.utoronto.ca

613-355-3361

https://robbymister.github.io/PersonalWebsite/

WORK EXPERIENCE

Software Developer
Environment and Climate Change Canada

📅 May 2019 – September 2020 📍 Toronto, Ontario

- Developed code and properly structured files and workflow with the **Angular framework** and launching projects with **Node.js** as well as properly integrate different libraries and use APIs
- Daily meetings (**Scrum**), monthly releases and in-depth code review and version control using GitLab
- Worked on back-end components, mainly an in-house search system and then introduced many new features for accessibility, updating it to Angular from basic **Javascript/jQuery** and **HTML**
- Executed **SQL** queries and helped design data payloads for use in the front-end applications, and parsed **JSON** data for each component
- Built 2 major components of brand-new web app front-end, one using ag-grid and Highcharts for data analysis and other using OpenLayers (GIS) to track objects and place them on a map

EDUCATION

Honours B.Sc - Major in Computer Science, Double Minor in Chemistry and Mathematics

📅 2016 – 2021 (expected) 📍 University of Toronto

PROJECTS

Runelite (Open-Source) - Java

- Java-based custom client for Old School Runescape, have worked on certain plugins as well as small quality of life updates such as inventory labels and certain gameplay interactions.

Streamie - Javascript, HTML, CSS, PHP:

- A project that allows multiple users to connect to a specific room URL and watch synchronized YouTube videos together as well as chat together. This uses a SQL database, a PHP back-end for the login, Python back-end for server-side synchronization, basic HTML/CSS for the layout as well as JavaScript and several APIs are used, such as Scaledrone chat room API.

Panda Robot Applications - C++:

- Created an application that receives a robot configuration and returns the corresponding Space Jacobian and Body Jacobian of a Panda robot. Created another application that finds possible configurations using Search Algorithms and Inverse Kinematics.

CORE SKILLS

Programming Language
Python, Shell, Java, C, JavaScript, C++, SQL, PHP, TypeScript, C, Dart

Frameworks
Angular, React, Flutter

Environment/Tools/Operating Systems
Bash, Git, GDB, Jenkins, Kibana, Node.js, Linux, Windows

Object-Oriented Design Principles
Agile Methodologies, Scrum, UML, Design Patterns

Database
PostgreSQL, Oracle, MongoDB, neo4j

Languages
English (fluent), French (fluent)