Robert Evans

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Work Experience

May 2019 to September 2020 **Software Developer**

Environment and Climate Change Canada

Role outline
    Had a core role in a small team of 5 members regarding creation of new features, maintenance of old applications as well as propose new ideas and presentations to stake holders. 1 legacy application was rebuilt using my wireframes and presentations, and one large component of a brand new web application was entirely created by in the same way. All applications were developed using **Angular** and **Node.js**.

Key achievements

- Learned to develop code and properly structure files and workflow with the **Angular framework** 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

2016-2021 **University Of Toronto** (Honours B.Sc. - Computer Science, Chemistry and Mathematics)

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

Languages: English (fluent in writing/speaking), French (fluent in writing/speaking)
Programming Languages: Python, Shell, Java, C, JavaScript, C++, SQL, PHP, TypeScript, C, Dart
Environment/Tools/Operating Systems: Bash, Git, GDB, Jenkins, Kibana, NodeJS, Linux, Windows
Object-Oriented Design Principles: Agile Methodologies, Scrum, UML, Design Patterns
Frameworks: Angular, React, Flutter