Gregory Desrosiers
Software Engineer

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SKILLS

Java
HTML
CSS
C++
JavaScript
C#
Python
Ruby
Swift
SQL

INTERESTS

Video Gaming
YouTube
Article Writing
City Life

TECHNICAL EXPERIENCE

Kii Mobile Technologies, Inc.
Toronto, Ontario 📍
Software Developer — Aug 2018 – Dec 2018 📅

- Fabricated an administration portal, using **Angular**, **Spring**, and **MongoDB**, to manage users and **Dialogflow** agents of an e-mail based system for **Salesforce** CRM
- Enhanced an e-mail parser with operations for extracting accounts and contacts to Salesforce record format, and selecting opportunities for adding tasks using **Java**, **Spring**, **Dialogflow**, and the **Google Knowledge Graph API**

IBM Canada, Ltd.
Markham, Ontario 📍
Unity AR HoloLens Developer — Jan 2018 – Apr 2018 📅

- Integrated **Microsoft HoloLens Spectator View** using **Unity** and **C#** for a **UWP** app from an engineering firm
- Created a **Microsoft HoloLens** architecture viewer app for a Canadian engineering firm using **Unity** and **C#**
- Devised a 2D room designer for furniture placement using **OpenCV** and **C++** for a US furniture retailer

University of Waterloo
Waterloo, Ontario 📍
Web Application Developer — May 2017 – Aug 2017 📅

- Upgraded an audit app to guide SE students through degree requirements using **Play**, **Java**, **MariaDB**, and **jQuery**
- Elicited reviews of assignment instructions on C++ template and software design principles

Public Works and Government Services Canada
Toronto, Ontario 📍
Web Developer — Sep 2016 – Dec 2016 📅

- Developed sections of the *Public Accounts of Canada* fiscal year spending breakdown using **HTML** and an in-house formatting language, delivering results to the Parliament of Canada with **W3C** standards met
- Implemented automatic loading of employee-based user results using **ColdFusion**
- Wrote an Instagram widget for an internal web portal using **ColdFusion** and **JavaScript**

The Weather Network (Pelmorex Corp.)
Oakville, Ontario 📍
QA Developer — Jan 2016 – Apr 2016 📅

- Conducted regression testing on desktop and mobile website agile updates, providing critical advice to the development team on user experience and functional quality
- Performed functional testing using logged **Atlassian JIRA** tickets as test scenarios

Ark Paradigm, Inc.
Kitchener, Ontario 📍
Web Developer — June 2015 – Jul 2015 📅

- Created frontend interface for a financial audit automation website using **HTML**, **CSS**, and **jQuery**

UWaterloo Conrad BET Centre
Waterloo, Ontario 📍
Research Assistant Developer — May 2015 – Aug 2015 📅

- Programmed front-end unit tests for a web-based entrepreneurial platform using **Selenium WebDriver** and **Java**
- Added UI elements to a LEGO store web application using **BackboneJS**, **Bootstrap**, and **Django**

PROJECTS

- **WATOSCENGEN** Initiated a road generation project for the WATonomous student design team using **Unreal Engine 4**, **Blender**, and **C++** to test feedback control, path planning, and perception of team's self-driving Chevrolet Bolt
- **ToronHot Dog** Designed a website to help people look for hot dog stands in Toronto using **Google Maps**, **Ruby on Rails**, **PostgreSQL**, **jQuery**, and **Bootstrap**
- **MLH Tic-Hac-Noe** Produced 6x6 tic-tac-toe game using **Unity** and **C#**, achieving Daily 4th place on Newgrounds

EDUCATION

University of Waterloo
Waterloo, Ontario 📍
Bachelor of Software Engineering (BSE) — Sep 2014 – May 2019 📅