

Carlos Santana

Bachelors of Applied Science



carlossantana3279.github.io



github.com/carlossantana3279



ca.linkedin.com/in/carlos3279

📍 Hamilton, Ontario 📞 (905)-807-3279 ✉️ santanjc@mcmaster.ca

Highlights of Qualifications

- Enrolled in Level IV of McMaster's Computer Science Honours Program (with Co-op)
- Proficient in: C#, SQL, HTML, CSS, C++, and Java
- Excellent communication and problem skills developed through work experience
- Strong academic record showing a strong work ethic

Work Experience

Bell Canada

Software Developer
Mississauga, On
May 2017- Aug 2018

- Design, develop, and maintain in-house tools used by the Network Team in an agile environment
- Worked in a small 5 person DevOps team utilizing scrum
- Build SQL queries, scripts, and help automation of manual processes
- Design and modify SQL databases to be used by our tools
- Embraced Scrum Master Role for 6 months where the role includes facilitating meetings, managing the scrum process within the team, and ensuring scrum practices are being followed
- Ran bi-weekly workshops successfully for 6 months
- Developed sprint based Calendar and Log Viewer Web Apps as self-directed projects in an agile manner

CS Software

Founder, Designer
Hamilton, On
June 2016 - Current

- Started Web Design and Software Development business. Raised \$3000 in start-up funds from Ontario's flagship entrepreneurship program
- Design Websites using WordPress for local businesses.
- Developed Touch Roulette – Decision Maker App. A cross platform app to help make a group of friends make decisions quickly in a fun way with over 45,000 downloads and a 3.8/5 rating on the Play Store.

Tools & Skills

Languages

C#, Java, Python, C++, HTML, CSS, JavaScript, SQL, PHP, Lua

Tools & Frameworks

Git, .Net Core, TFS, jQuery, Bootstrap, Unity Game Engine, OpenGL, AWS, Openstack, WordPress CMS, Corona SDK, Agile, Visual Studio, MS Office

Education

McMaster University

Hamilton, On
Graduating April 2019

- Enrolled in final year of Bachelor of Applied Science in Computer Science with co-op
- Currently maintaining a 3.70/4.0 GPA, (an A-)
- **Relevant course work:** Data Structures and Algorithms, Software Requirements & Design, Databases, Computer Graphics
- Computer Science Society Executive - Vice President of Technologies

Software Projects

Good Life Index Project

Java, Project Leader/
Back End Developer

A web application that allows users to search for cities in the US and get important statistical crime rate information and creates a score for each individual city based on the city's crime rate. Used communication skills and Git version control to work in a group of 5 effectively.

Target Crisis

C++, OpenGL

An on-rails shooter inspired by Time Crisis. Development team of 4. Implemented texturing, lighting, ray-picking, sphere hit detection, Fog, Artificial Intelligence, and a HUD for the player.

Terrain Generator

C++, OpenGL

A graphics program using C++ & OpenGL to produce and display an interactive terrain mesh. Implemented Flat shading and Gouraud shading. Terrain can be generated by several different algorithms. Multiple modes for displaying terrain: wireframe, with lighting & shading, and hypsometric.

Additional Work

- Shipping and Receiving, Terra Greenhouses
- General Laborer, Homes by John Bruce Robinson

Summers of 2015-2016
Summers of 2012-2015