

Zach Lucas

Software/Web Developer

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Relevant Experience

Software developer/Salesforce Admin @ Levitt-Safety

Aug 2019 – Current //Port Coquitlam, BC // Remote

- Designed and implemented an updated framework to the company website using NodeJS, JavaScript, and CSS.
- Wrote, modified, integrated, and tested software code for e-commerce using NodeJS, JavaScript, SQL, and Progress for internal/external analysis and reporting.
- Using a self-taught knowledge of salesforce, maintained and updated the Salesforce Platform while assisting users with troubleshooting, internal reporting, and training.
- Created a custom ERP system quote generator console and web-based application using C# and Microsoft Word Interop for use by the sales team.

VR Developer @ Mohawk College (Project Name: The Bear Coin)

September 2018 - May 2019 // Hamilton, ON

- Collaborated with a team of animators to create a VR application for the Hamilton Public Library.
- Programmed user interactions between objects and NPCs using a combination of C# and the Unity Engine.
- Prepared scripts and assets in advance to receiving assists from the animators to prepare interactions in advance.

AR Developer @ Mohawk College (Project Name: Cloud DX)

July 2018 - August 2018 // Hamilton, ON

- Designed and developed an AR UI display to appear around an individual when the devices camera is pointed at someone.
- Created a small database using C# for the application to read health information for the prototype demonstration.

AR Developer @ Mohawk College (Project Name: AR Konzelmann Winery)

April 2018 - July 2018 // Hamilton, ON

- Worked as part of a team to develop an AR application for a company based in Niagara.
- Learned to work in a collaborative environment with other programmers using Unity's collaboration function.
- Gained experience using Amazon S3 cloud-based computing services to dynamically load assets as needed by the program to decrease load times.

Web Developer @ Mohawk College

June 2017 – August 2017 // Hamilton, ON

- Worked in a team environment to develop and design a web application for use by a professor to help teach students musical analysis.
- Worked independently to implement a QR code reader into an IOS application which read a QR code using a camera and would load the web application.
- Developed knowledge using IOS software and development for creating an IOS application.

Skills

Programming Languages

JavaScript, HTML, CSS/Sass, Python, PHP, Java, C, C++, C#, XML, SQL, X-Code, Visual Basic, Lua, Apex, Progress ABL

Libraries & Frameworks

jQuery, React, Vue, NodeJS, AJAX, JavaFX, ASP.NET, Bootstrap, Microsoft word interop, Struts 1.7

Tools & Platforms

Git, Heroku, WordPress, Unity, Unreal Engine, Visual Studios, Windows, Linux, Mac, Salesforce, SX.e , Excel

Education

Mohawk College

2016 - 2019 // Hamilton, ON
Ontario College Advanced Diploma (3-Year)

Projects

Hospital Capacity Model

The Hospital Capacity Model is discrete event simulation model that estimates the usage of health care resources by simulating patients in the hospital system. Collaborated to assist with code efficiency and converted to an object-oriented model.

Ultimate Werewolf

Console app built in Python with 4 AI bots to play the multi-player game, Ultimate Werewolf. 3 bots use multiple different strategies, ranging from least to most advanced.

NICU Mobile app

A mobile application developed for the McMaster Children's Hospital NICU department. The application allows parents to track their baby's growth and help answer questions for parents.

Kerry On

A virtual personal assistant created during a 2-day Hackathon Event in Kitchener. The prototype app was created to help elderly people with social isolation by assisting them in their daily lives.

Interests

Game Development, VR/AR Tech, Music, Reading, Gaming

** To view my projects in greater detail, please visit <http://ZachLucas.ca>

** References are available upon request