

## **Cyril A. MacIsaac**

93 Grovehurst Dr, Ottawa, ON, K2G 6V7  
613-899-7266      contact@cyrilmacisaac.com  
www.cyrilmacisaac.com

### **Summary of qualifications**

Enthusiastic and driven team player dedicated to producing high quality code and creating inspired projects. Easily able to push forward on tasks with very little guidance. Extremely quick learner and problem solver who is great in any type of leadership or development position. Technologically proficient and adaptable to changes in the workplace.

### **Core competencies**

#### ***Development Tools***

- The Unreal Engine, Visual Studio, Photoshop, NetBeans
- Jira, Confluence, Bitbucket, Redmine
- Subversion, Git, VSS, Perforce
- FMOD, Miles Sound System
- Xbox and PS3 Development tools

#### ***Languages***

- C, C++, C#, Visual Basic, Java, Javascript, XML, HTML, OpenGL, DirectX, HLSL, Flash Action Script 3, Tcl, and Php

#### ***Qualifications***

- 10 Years of programming experience
- 5 Years of game development experience
- Great troubleshooting and diagnostic skills
- Quick learner
- Great team player

### **Professional experience**

**Espial Inc**

*2014-2016*

#### ***Integrated Web Application and Software Developer***

- Used Javascript with Canvas and WebGL to develop user interface software for cable set top boxes
- Built and maintained multiple layers of software
- Coordinate with several other developers to design and implement new application frameworks together
- Mentor new developers to share knowledge and encourage cooperative programming practices

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***Professional experience (continued)***

**Key accomplishments**

- Wrote a new event dispatching system that was 99.5% more efficient in most cases
- Converted a large Canvas web application into a WebGL application
- Wrote an automated localization system that could dynamically update visible content when the language was changed

**Fuel Industries**

2012-2014

***Web Application and Game Developer***

- Programming and development of Action Script based games for a Web environment aimed at youth audiences
- Developed and maintained various tools and libraries for AR, 3D and Production tools
- Wrote engine code and tools for 3D environments in flash from the ground up
- Worked with both new and legacy code under extremely tight deadlines to produce new content every two weeks

**Key accomplishments**

- Development of a 3D environment for a flash web MMO - Happy Studio

**ARTECH STUDIOS**

2010-2011

***General programmer***

- Programming and development of video games for various platforms, including but not limited to, X-box/Kinect, Playstation 3 and iPad
- Wrote and maintained both low level engine and high level game code; consistently worked on an abstraction layer for various audio engines
- Managed time effectively to meet restrictive deadlines while maintaining a consistent standard of quality in the code
- Collaborated and coordinated with other programmers, artists and level designers to complete assigned tasks in a professional and timely manner

**Key accomplishments**

- Published games: *The UnderGarden* and *Motion Explosion*

**TECH GEMINI, INC**

2009-2010

***Programmer***

- Maintained and developed various data management applications in both C++ and C# in the position of lead developer
- Adhered to a strict coding practice to maintain the code on legacy technology

**Key accomplishments:**

- Greatly improved the performance of the data management application

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**Education**

**ALGONQUIN COLLEGE**

2006-2009

Video Game Development

- Programming in C++, C#, DX9, OpenGL and HLSL
- Audio, graphics and code
- Design and build a released video game from scratch
- Critical team and project management skills

**References**

**Masayo Koderá**

*Proxy product owner and subject matter expert at Espial Inc*

613-863-5247

[mkodera@espial.com](mailto:mkodera@espial.com)

**Mike McAuley**

*UI Software Developer at Espial Inc*

613-608-2206

[mike.mcauley.mm@gmail.com](mailto:mike.mcauley.mm@gmail.com)

**Portfolio**

My portfolio is available online at [www.cyrilmacisaac.com](http://www.cyrilmacisaac.com)