

Richard Le

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portfolio
linkedin
github

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A Computer Systems student with experience in game development and 3D visualization. I have a strong passion for the gaming industry as demonstrated by my [projects](#) and have a great admiration for the intersection between technology, design and creativity.

Skills

Programming

C# Java
C C++
Full-Stack Web
MySQL

Software

Unreal Engine
Unity Engine
Blender
Adobe Suite

Theory

Version Control
Agile Development
Gameplay Optimization
3D Rendering Concepts

Game Jams

[Sunseeker](#)

BC Game Jam 2019

1st Place - Blackbird Interactive Subtheme

1st Place - Offworld Industries Subtheme

You are a researcher stranded in space. Your only hope...a lone frenchman, survive for 5 days while he parties. Get energy orbs with your drone and refuel your base to stay alive.

Worked on: Core gameplay, Shader Code, Effects and VFX Scripting, Voice Acting
Used: Unity, C#, Maya, Adobe Suite, HLSL

Indie Games

[Ecocity The Game](#)

Who can build the best eco-city? Is it you? Balance economy and ecology to build your own sustainable city. Available now at ecothegamecity.ca and on the google play store.

Worked on: Core Gameplay, 3D Animation, UI Scripting, Particle Effects
Used: Unity, C#, MySQL, PHP

[Midnight Crown](#)

An 'aerospace' combat flight game in atmosphere and zero-g. Featuring full 4 degrees of movement flight simulation, predictive guidance weapons, diegetic cockpits, complex AI behaviour trees with local avoidance and FMOD 3D Spatial audio to keep you on your toes. Built over the course of 1 Year as the sole developer.

Worked on: Everything! Gameplay, Art, Audio.
Used: Unity, C#, Blender, FMODStudio, Adobe Suite

[Roasted](#)

Get your coffee beans and get ready for a last stand. You play as Joe, a barista, as an endless horde of angry hipsters make their way to your cafe. Defend yourself!

Worked on: Core Gameplay, VFX Scripting and Animation, UI and UX.
Used: Unity, C#, Adobe Suite

Hackathons

Canary

Angelhack 2019

1st Place - Agora Challenge

A medical app that connects users to local trained volunteers who provide first-aid emergency medication before first responders reach a site. Current medication targets are Epinephrine, Insulin, Naloxone and CPR service.

Worked on: Google Maps Integration, Front-End UI, Project Management, Business Analysis

Used: Agora RTC, Google Cloud Platform, NodeJS, HTML, CSS, JS, JQuery

Visualeyes

Bizhacks 2019

2nd Place - Best Buy Business Case

A Computer Vision/ Machine learning app that brings you to a product's storefront just by taking a photo of it.

Worked on: Camera Capture and Vision Analysis, Front-End UI and Animations

Used: C#, Clarifai Computer Vision API

Experience

Feb 2017 - Present

Under the GUI Academy

*Senior Staff Trainer, Junior Web Developer,
Curriculum Creator, Game Dev Instructor*

- Created all schooling curriculum: 7 Games and one theory CS Course
- Implemented front and backend features to a web-embedded game engine
- Added support for graphics libraries and support for more programming languages
- Consulting on Instructor Training and Curriculum Direction

Used: AWS, Full Stack Web, Python, Java, C#, Unity Game Engine

Oct 2017 - Apr 2018

COHO Labs, UBC

Undergraduate Research Assistant

- Worked on streaming 3D geometry from architectural software to a game engine in real-time.
- App ran on Microsoft Hololens targeting AR.

Used: C#, Rhinoceros 5, Unity Game Engine

Education

British Columbia Institute of Technology 2019 - 2022

BTech in Computer Systems Technology, 89% GPA

University of British Columbia 2015 - 2018

Statistics and Computing Science Undergrad Courses

- Completed courses in Data Structures and Algorithms, Computer Architecture, Software Construction and more