

Kevin Covelli



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Education

Bachelor of Science

University Of Toronto

2017 – 2022

Computer Science Specialist, Focus in Artificial Intelligence and Natural Language Processing

Relevant courses:

Web Development
Database Design
Design of Interactive Media
Machine Learning
Neural Nets and Deep Learning
Computational Linguistics
Data Structures & Analysis
Multivariate Calculus & Linear Algebra

Professional Experience

Freelance Developer

Redvine Records

06/2021 – 09/2021

- Created the initial frontend and backend build for Drop Rocket, a project management tool for musicians
- Worked with the client to specify project requirements, then created the initial build using Bubble.io based on agreed plan.

Administrative Assistant

Royal LePage Real Estate Services

2015 – 2020

- Worked in tandem with other assistants to create new listings, and facilitate viewing appointments of our properties.
- Created a small Python script to scrape images off property listings given an MLS number

Projects

RLRL

Rocket League Reinforcement Learning

2022

- Implemented two reinforcement learning papers (SAC and DIAYN) to train an agent to play the game Rocket League
- Created as the final project to CSC413 along with two teammates, and received a 100% on the final paper
- Development was done in Python using PyTorch

Balance is Key

2021

- Lead development on a cooperative party game as part of a semester long group project.
- Organized and worked alongside team members across disciplines, schools, and time zones, including artists and animators, musicians, and programmers
- Development was done in Unity / C#

Lish Lash

2021

- Worked as part of a small team to create a working demo of a puzzle-platformer during the 2021 GMTK Game Jam
- Development was done in Godot / GDScript and took place over (a very frantic) 48 hours

Knowark

2020

- Worked with a non-profit to develop a website for providing resources and information to parents of children with disabilities
- Developed project requirements based on interviews with our contact, then created the site based on the specifications
- Development was done with Node.js, React.js, AWS and DynamoDB

Skills

Full Stack Web Development (Vue.js, Node.js, MongoDB, AWS)

Game Development (Unity, Godot)

Machine Learning (Pytorch) • **Python**

JavaScript • **HTML / CSS** • **Agile Development**

Interests

Game Development, Reinforcement Learning, AI Alignment, Tabletop RPGs