


ROMAN HUTS

Software Engineer who loves climbing mountains, riding motorcycles, and continuously improving at learning.

 github.com/rhuts

 linkedin.com/in/romanh


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 romanhuts.com

EXPERIENCE

Software Development Engineer 2




 2020 - 2022

 Markham, ON

- Implemented **hardware accelerated** features (**OpenCL / DX11 / Vulkan / C++**) for Pre-Analysis and Pre-Processing components of the Advanced Media Framework (AMF) SDK shipped with every AMD GPU driver. [GPUOpen/AMF \(GitHub\)](#)
- Responsible for resolving and responding to **external developer issues (C++)** as well as **preparing releases** for the AMF SDK.
- Interviewed over 20 candidates and screened 100s of resumes for Co-op positions.
- Mentored and helped assign tasks to multiple Co-op students.
- Speaker at 'Former Co-op' eSpeakers Panel & Q&A for new Co-op orientation week in front of **over 170 new students**.

Software Developer Intern




 2018 - 2019

 Markham, ON

- Fixed over 20 bugs for AMF and LiquidVR SDKs such as eGPU support for LVR samples (**C++**).
- Responsible for **training** and **assigning tasks** to short-term and long-term Co-ops.
- Implemented game engine integrations (**C++**) such as FreeSync2 HDR into **Unreal Engine 4**.
- Added new features to RoomAcousticQT sample (**C++**) demonstrating Real Time Queues for the True Audio Next library. [GPUOpen/TAN \(GitHub\)](#)
- Responsible for Jenkins **CI/CD automation server (Python / Bash / Groovy)**.

IT HelpDesk Intern




 2017 - 2018

 Mississauga, ON

- Developed tool using PowerShell and XAML to **automate** Active Directory setup for new hires.
- Improved Windows upgrade project tracking by writing SQL queries to **accurately report progress**.
- Improved software deployment by creating process flow diagram though team collaboration and **end-user input**.

Teaching Assistant



 2017 - 2017

 Mississauga, ON

- CSC108H5F Introduction to Programming (Professor Andrew Petersen, Professor Vincent Maccio, Instructor Samir Hamdi).
- Invigilated and marked **midterm examinations**, held reoccurring **tutorial sessions** for groups of 30 students.

EDUCATION

Honors Bachelor of Science with Distinction

University of Toronto, Canada

Computer Science Specialist + Internship

 2015 - 2020 | * / 4.0 cGPA

SKILLS

Programming

C++ Python Solidity C Bash

JavaScript SQL HTML CSS

Computer Graphics

OpenCL DirectX11 Vulkan

Tools

Visual Studio 2022 VS Code Git

Perforce JIRA Confluence GPUView

Operating Systems

Linux Windows

Awards

- Spotlight award for role in version control system migration (AMD 2021).
- Recognized for outstanding Co-op Mentorship (AMD 2021).
- Submitted to Innovation Showcase for Shader Optimization Benchmark Tool (AMD 2021).

Business Projects

Licensing Lead Generation for Live and General Music Use ([DCSIL Program](#))

- Lead team development of cross platform app for generating non-confrontational leads.
- Pitched to **multiple leaders** in the **music licensing** industry space such as BMAT USA and Dataclef (subsidiary of SOCAN). [MVP Tech Demo](#)

Phone Provisioning Automation Tool

- Developed phone provisioning tool for IMAX, in collaboration with **Masergy's REST API** based user provisioning API beta program.
- In use at Los Angeles and Mississauga offices.