ROMAN HUTS

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

github.com/rhuts



romanhuts.com

EXPERIENCE

Software Development Engineer 2



2020 - 2022

Markham, ON

- Implemented hardware accelerated features for Pre-Analysis and Pre-Processing components of the Advanced Media Framework (AMF) SDK. GPUOpen/AMF (GitHub)
- Responsible for resolving and responding to external developer issues as well as preparing releases for the AMF SDK.
- Interviewed candidates and screened resumes for Co-op positions.
- Mentored and helped assign tasks to multiple Co-ops.
- Speaker at 'Former Co-op' eSpeakers Panel & Q&A for new Co-op orientation week.

Software Developer Intern



2018 - 2019

- Markham, ON
- Fixed bugs for AMF and LiquidVR SDKs such as eGPU support for LVR samples.
- Responsible for training and assigning tasks to 4 month Co-ops and new PEY.
- Implemented game engine integrations such as FreeSync2 HDR into Unreal Engine 4.
- Added new features to RoomAcousticQT sample demonstrating Real Time Queues for the True Audio Next library. GPUOpen/TAN (GitHub)
- Responsible for Jenkins automation server.

IT HelpDesk Intern

IMAX

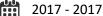


2017 - 2018

- 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





Mississauga, ON

CSC108H5F Introduction to Programming (Professor Andrew Petersen, Professor Vincent Maccio, Instructor Samir Hamdi).

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 Bash SQL **HTML CSS** JavaScript

Computer Graphics

OpenCL DirectX11 Vulkan

Tools

Visual Studio 2022 VS Code

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

- · Lead team development of cross platform app for generating non-confrontational leads.
- Pitched to multiple leaders in the music 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 based user provisioning API beta program.