

Adam Nelson

110 Lyra Gate
Winnipeg MB, R2P 2T9

nels123159@gmail.com

431-294-1661

linkedin.com/in/adam-nelson-b32324153/

HIGHLIGHTS OF QUALIFICATIONS

- **Engineering Experience:** Full time engineer for 3+ years developing firmware, and tests for computer hardware.
- **Software Engineering:** B.Eng, Software Engineering Co-op at McMaster University
- **Capstone Project:** University capstone project finished 2nd in all Software, and Mechatronic engineering.

EDUCATION

- **McMaster University** Hamilton, ON
Bachelor of Engineering, Software Graduated: April 2021
- **Bishop Tonnos Catholic Secondary School** Ancaster, ON
Ontario Secondary School Diploma; AVR: 93% Graduated: June 2016

RELEVANT COURSES

- Databases
- Signals and Systems
- Dynamic Systems and Control
- Linear Optimization
- Machine Learning
- UX Design

WORK EXPERIENCE

- **Advanced Micro Devices (AMD)** Markham, ON
Firmware Engineer II May 2021 - Present
 - **Video Encoding/Decoding:** Developed the Firmware for video encoding and decoding on the next generation consoles.
 - **Display Diagnostics:** Designed test cases for custom framework to be used by all display devices (gpu/apu) designed at AMD.
 - **Organization:** Ran and organized the weekly sync-up meeting for display diagnostics team.
- **Advanced Micro Devices (AMD)** Markham, ON
Software Development Internship May 2019 - August 2020
 - **App Development:** Last task of the internship involved creating an Android Application to test video encoding/decoding, and 3d rendering.
- **Canadian Tire** Ancaster, ON
Sales Associate August 2015 - April 2018
 - **Employee of the Month:** For the month of June 2017, I received recognition for my work ethic.
 - **Roles:** Worked in multiple departments: Hardware, Cashier, Assembly

PROJECTS

- **Strain Characterisation Apparatus:** A group capstone project in partnership with the company MesoMat. A tensile stress testing device made from specifications from company.
- **"2048" Recreation:** In a software development course, my team had to recreate an open sourced project using software engineering development techniques.

SKILLS

- **Programming**
Languages and Programs
 - **Proficient:** Java, Python, C, C++, Bash, Git, \LaTeX
 - **Experienced:** Javascript, ReactJS, Haskell, Perforce, Maple, Matlab, Android Studio, Jenkins
- **General**
Various Skills
 - **WHIMIS:** WHIMIS trained, at previous workplace.
 - **Computer Hardware/ Firmware:** Familiar with Computer Hardware due to construction of multiple custom PCs, and work with development hardware.