

Kleidi Bujari

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Education

Ryerson University

BEng. Computer Engineering

Expected May 2025

Toronto, Canada

Skills

Programming: C/C++ | Java | HTML5/CSS3 | Bash/Shell

Technologies: Linux | Computer Hardware | Git | Arduino | Networking

Languages: English | French | Albanian

Work Experience

Project Manager/Inspector (Student) | **WSP Canada**

Summer 2021

- Worked with a small team to manage an extension to a train storage house on site
- Ensured quality and integrity of work and features according to engineering specifications
- Verified structural, electrical, and mechanical systems, collaborating with relevant experts
- Summarized all work, H&S practices, etc. in a daily report for TTC (Toronto Transit Commission)

Projects

Genny | *Cross-platform CLI password generator with automatic copy/paste*

C++

- Used modern C++ STL functions to create a speedy and secure generation algorithm
- Integrated third party, open-source libraries to enable cross platform support with QT
- Automated build system and installation using CMake and shell scripting

KVM/QEMU VM | *Windows 10 Virtual Machine with PCIe Passthrough on Arch Linux hypervisor*

VFIO - Linux

- Leverages virtualization frameworks such as libvirt and KVM to provide near native performance
- Full passthrough of GPU by unbinding and rebinding kernel modules dynamically with shell scripting
- Modification of NVIDIA GPU vBios Hex Files to ensure compatibility with guest system
- Makes use of features like CPU pinning, IOThreads, HugePages, and more to optimize performance

Surfboard Shop Website | *zebsboardshop.ca | Fast with a modern, responsive design*

HTML5 - CSS3 - JS

- Designed completely from scratch with accessibility, performance and a pleasing look in mind
- Makes use of server-side load balancing, and HTTP to HTTPS redirect
- Plans to add Shopify integration while maintaining consistent performance metrics
- Tracking search engine performance and implementing SEO features in website source

Command Line Parser | *CL Parser for C++ executable implemented in a CLI TODO list*

C++

- Implemented custom-made command line argument parser with simple and fast filtering algorithm
- Uses built-in Linux C functions for file reading and writing to user directories

Interests

UX • Online Privacy • Volleyball • Tea • Crypto • Fitness • Public Speaking • Custom PCs