Moravy Oum

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SKILLS

- **Languages:** Python, HTML/CSS, C++, C, JavaScript, SQL
- **Tools:** Git, Microsoft Office, AWS, Cisco Scripting
- **Operating Systems:** Unix/Linux, Windows 10, iOS

EDUCATION

Bachelor of Science, Information Technology (Major) **February 2016 – February 2020**
Massey University *Palmerstone North, NZ*

- Relevant Courses: Database Design, Network Security, Web Development, DevOps
- Networking: Security, Cisco Scripting, Network Design
- Achievements: Awarded best capstone group project (DevOps)

Bachelor of Science, Computer Science (Minor) **February 2016 – February 2020**
Massey University *Palmerstone North, NZ*

- Relevant Courses: Data Structures & Algorithms, Computational Thinking and Software Development
- Algorithms: Binary Trees, Heaps, Depth-First Search, Breadth-First Search

PROJECTS

Capstone: Automated Web Application (AWS, Linux, YAML, Bash Scripting, Git) **November 2017**

- Used Amazon Web Services to host an OpenStreetMap web application using a developed script and performed regression testing to ensure compatibility with previous versions
- Used DevOps approach to prepare the system to ensure upgrading is performed in a safe and efficient manner, while avoiding downtimes.
- Ensured that during upgrading, our project would consistently create a database backup and would restore to a working backup if any mistakes were made.
- Scored the highest mark out of all the projects

Networking: Class Assignment (Cisco Scripting, GNS3) **January 2017 – April 2017**

- Used GNS3 to simulate Cisco hardware (switches, routers) to create a virtual network grid which replicates our school network.
- Ensured different departments within a school network would not intrude each other.
- Designed networking floor plans while analyzing which network product would provide maximum optimization in the network grid.

Personal Website: moravy.github.io (HTML, CSS, JavaScript) **August 2018**

- Personal website displaying some of the projects that I have worked on and things that I am currently working on.

INTERESTS

Hardware: Strong interest in understanding the purpose of each component in a computer and building computers