# Brody Rethy

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## Technical Skills

- **Operating Systems**

  **Linux:** Debian 9/10, Ubuntu 18.04, CentOS 7, and Arch Linux
  **Windows:** Windows 7/10/Server 2012 R2/2016/2019
  **Routing and Switching:** Cisco IOS (STP, OSPF, BGP, and EIGRP), and pfSense

- **Languages**

  **Scripting/Programming:** Python 3.x, Bash, PowerShell, PHP, Ruby, and (some familiarity with) C
  **Markup:** HTML5, CSS3, and Markdown
  **Database:** MySQL

- **Programs**

  **Document Processing:** Microsoft Office 365 (Word, PowerPoint, and Excel), LaTeX, and Vim
  **Networking:** UFW, Apache, DHCPD, samba, rclone, and BIND9
  **Hypervisors:** Proxmox, vSphere, VMWare, and Oracle VM VirtualBox

- **Others**

  **Network Platforms:** Microsoft Teams, Git, GitHub, Slack, and IRC

## Project/Technical Experience

- **Project Experience**

  **Python:** Developed a RAT/Botnet (Remote Access Trojan) utility called Moses RAT which uses a proxy-based system architecture. Contains features such as take immediate screenshots/time intervals, webcam snapshots/time intervals/recordings, open webpages, execute processes, execute DDoS attacks, and more. Developed a Linux-only GUI-based COVID-19 statistics tracking program using Tkinter which displays the most recent statistics for either Canada, USA, or the World in a centralized format (both can be found on GitHub). Also worked with algorithms (binary sort, quick sort, and bubble sort).
  **MySQL:** Designed and programmed a database using MySQL to categorize a collection of music for a course final.
  **Cisco Networking:** Configured multi-layered routers and switches, DNS, DHCP, and a multi-subnetwork with two locations (buildings) for a final skills based assessment during the taking of an Advanced Cisco Networking course (written in packet tracer).
  **Bash:** Created multiple automated installation scripts for Debian to install either i3wm, dwm, or lxde, along with drivers, programs, files, directory creation and movements, and more (found on GitHub).

- **Technical Experience**

    **Customer Service:** Aided customers at storefront, took in and returned machines that were being repaired, always giving a detailed rundown of the problem, and the fix to the customer at the end of the repair process. Completed for a College work placement at Downtown Digital's Sackville (N.B.) location.

# Work Experience

- **5-Week Work Placement**

    **Downtown Digital, Sackville, N.B., 2019, April to May:** 5-Weeks
    Aided customers in finding items at store front, took orders in, completed orders through following troubleshooting procedures, and returned items to their owners with rundown of the issue, and the fix made.
    **Karen Phytoplankton, Sackville, N.B., 2020, July to August:** 5-Weeks

# Education

- **School**

    **Nova Scotia Community College, Truro, N.S., 2018 - 2020:** IT Systems Management & Security.
    Completed the two year diploma program IT Systems Management & Security. Completed Database, Python, Bash and Microsoft PowerShell scripting, Networking, virtualization, communications, help-desk, Windows and Linux administration, Cisco Cybersecurity, and Windows and Linux Server courses.