Grace Thompson (RHCSA)

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EDUCATION

- **Western Governors University** — Online
  Bachelor of Science in Computer Science — *Apr. 2021 – Apr. 2025*

- **British Columbia Institute of Technology** — Burnaby, British Columbia
  Diploma in Computer Information Systems Administration — *Sep. 2016 – June. 2018*

EXPERIENCE

- **Global Relay** — Vancouver, BC
  Linux Systems Administrator — *Sep. 2020 - Present*
  - **Ansible**: Developed and maintained Ansible code to automate routine tasks in a centralized fashion via an AWX instance running in a Docker container.
  - **Python**: Wrote Python scripts to parse through thousands of lines of data pulled from Red Hat Satellite and Red Hat IDM.
  - **Idempotency**: Replaced shell scripts with idempotent and easily manageable programs as member of Linux Automation Team.
  - **REST API**: Made a web interface with Django backend for the CEO to visualise the patching of servers in real time, with data pulled from the NetBox REST API.
  - **Linux**: Assisted in server maintenance and application deployments in a highly secure, available, and compliant environment.

- **Insurance Corporation of British Columbia** — North Vancouver, BC
  Technical Support Specialist — *May 2020 - Sep. 2020*
  - **Automation**: Created Python and PowerShell scripts to automate standard ICBC processes, such as performing server health checks or pulling information from vROps, ultimately resulting in a time savings of approximately one hour per morning.
  - **Analysis**: Provided analysis of failed Control-M jobs, such as Bash scripts and Tomcat management tasks.

- **Orbis Investments** — Burnaby, BC
  Infrastructure Engineer — *Aug. 2019 - Mar. 2020*
  - **Troubleshooting**: Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.

- **British Columbia Institute of Technology** — Burnaby, BC
  Junior Systems Analyst — *Jun. 2017 - Aug. 2019*
  - **Documentation**: Co-ordinated the review of six hundred knowledge base articles, and worked with interns to update or re-write one hundred and sixty two of them.

PROJECTS

- **Trope Trainer Prototype**: Designed web application using PHP to mimic the Torah reading preparation software Trope Trainer.
- **Space Invaders**: Created Python version of the classic game Space Invaders.
- **Youth Learn to Code**: Developed curricula and taught 3 separate classes to give young people in rural areas a chance to learn Python, Linux, and C#.

TECHNICAL SKILLS

- **Operating Systems**: RHEL — SLES — CentOS — Windows Server

- **Software Development**: Ansible — Puppet — Python — Go — Bash — PowerShell

- **Platforms**: VMware vSphere — Docker — Kubernetes

- **Networking**: DNS — Routing — Switching — VLANs

- **Web**: Selenium — AWS EC2 — AWS S3 — AWS IAM — Apache