



Languages	Bash, Python, C#, C/C++, Perl, Ruby on Rails, HTML/CSS, Powershell, Processing	Operating Systems	Linux (Ubuntu, CentOS, Debian), macOS, Windows (MSVC, MinGW)
Database	SQL Server 2008, PostgreSQL, MySQL, Postico, ArcGIS	Microsoft	Office (Word, Excel, Powerpoint), Visual Studio
Analytics	Grafana, Prometheus, TICK stack, Tableau, Zabbix, Datadog, Graphite	Design UX	Axure RP, Illustrator, Photoshop, Lightroom, Muse
Services	AWS (EC2, S3, Amplify), GCP (Compute Engine), GSuite, Digital Ocean, VirtualBox, Docker, Heroku	Others	Github, CircleCI, RDP, Pivotal Tracker, Jira, Confluence, HP Quality Centre, Cloud9, Teraterm

WORK EXPERIENCE

- Build Engineer** | ActiveState Software Inc. | Vancouver, BC SEP 2020 – CURRENT
- Contributed to an automated portability testing pipeline using AWS Services (EC2, ECR, S3, Amplify), Docker containers, Github, and CircleCI with Slack integration
 - Maintained and improved legacy build system of ActiveState Platform for Python, Tcl, Perl on Windows, Linux, macOS through database updates, code changes, creating patches, and VM debugging
 - Developed Python code for packages requiring custom builder execution on the new backend infrastructure
 - Built complex packages (PyTorch, PyQt, Qt) using combination of Dockerfiles and Ansible scripts
 - Project Management: Providing Enterprise customers weekly updates, rolling releases; Establishing project requirements, deadlines, and follow-up meetings for co-op students
- Software Test Engineer** | Sierra Wireless Inc. | Richmond, BC MAY – DEC 2019
- Reduced 20% of test execution time by developing 10+ Python and C# scripts to replace manual testcases (firmware upgrades, file transfers, AT commands)
 - Performed manual and automation testing on LPWA modules in different operating systems, using various lab equipment (network simulator, temperature chamber)
 - Conducted stress tests on 4 product types simultaneously to mitigate errors
 - Worked closely with members of the Software, Hardware, Firmware teams to debug errors, opening and closing JIRA tickets when necessary
- National Cluster Monitoring & Alerting DevOps** | CloudPBX Inc. | Vancouver, BC SEP – DEC 2017
- Installed and tested monitoring and statistics collection tools and plugins on DigitalOcean Ubuntu via CLI
 - Developed Bash scripts to perform traceroute and mtr tests, importing CSV data into PostgreSQL
 - Analyzed performance data collected from key system metrics to create graphs and generate insights to support key business decisions using Grafana
 - Created maps to showcase distance between clients and datacenters to improve operational efficiency based on location of IP addresses using SQL queries

PROJECTS

- Project Management** | thrivential.com MAY– AUG 2020
- Worked in team of 5 to provide marketing assistance for local business, Thrivential
 - Redesigned a modern and professional business website to load >2s, have larger capacity, using Elementor
 - Created Gantt Chart using Microsoft Project to assist in project scheduling, budgeting, allocating resources, delegating tasks, and keeping track of progress
- Textual Analysis (NLP)** | github.com/emilieyyu/cmpt318 FEB – APR 2019
- Led team of 4 to analyze corpora using various techniques and extract meaningful insights
 - Analyzed text based on tokens, types, frequency, n-grams, content words (Lookahead POS Tagger)
 - Developed Bash scripts for automating the process of text format to extract and analyze corpora

EDUCATION

- Simon Fraser University** SEP 2015 - AUG 2020
- Bachelor of Science, Computing Science, Co-operative Education