

Anita Tse

Software and DevOps Engineer

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Experience

Software Development Engineer I, Amazon

07/2020 - Present

Associate Software Developer, Absolute Software

05/2019 - 12/2019

- Doubled the number of automated end-to-end tests in the test suite, with tests performing **SQL** database queries and core operations
- Implemented enhancements and refactorings to the existing **Java** testing framework
- Configured and set up the fleet of automated testing devices, their respective **Jenkins** jobs, and test results reporting, now used by the team for each release

DevOps Engineer, Copperleaf Technologies

09/2018 - 02/2019

- Containerized **Jenkins** jobs used to deploy and launch new production servers on **AWS**
- Implemented and tested the automation of new features in **Ansible** playbooks

DevOps Co-op, Copperleaf Technologies

01/2018 - 08/2018

- Implemented a highly available and fully configured **Consul** configuration system for automated **Jenkins** jobs in production
- Set up new application health checks with **Sensu** and log collection with **Sumo Logic**
- Gained extensive knowledge in various tools such as **AWS**, **Ansible**, **Docker**, **Terraform**, and **Jenkins**

Undergraduate Teaching Assistant, University of British Columbia

01/2018 - 08/2018

- Led weekly labs for an introductory course in functional programming
- Facilitated and graded students' assessments throughout the term

Education

University of British Columbia, B.Sc., Major in Computer Science

09/2015 - 05/2020

- Relevant Coursework: Algorithm Design and Analysis, Software Engineering, Relational Databases, Data Structures

Skills

Languages: Java, JavaScript, TypeScript, C/C++, Python

DevOps: Docker, AWS, Jenkins, Terraform, Ansible, Sumo Logic, Packer, Vault, Consul, Docker Compose

Other: SQL, JUnit Testing, Mocha Testing, Unix/Linux, HTML/CSS, D3.js, React.js, Spark AR Studio

Projects

Share the Paws Web Application 04/2019

- Modelled a service for dog walkers and owners to create and accept walk requests
- Worked in a team of four using **HTML/CSS**, **PHP**, and **SQL**

Insight UBC Web Application 12/2018

- Constructed the full stack web application and **REST API** using **JavaScript** and **TypeScript** to query from **HTML** and **JSON** data
- Worked in a team of three using **Agile** methodologies

BlueDirect Android Application 04/2017

- Bizhacks 2017 Finalist
- Constructed a Best Buy app using **Java**, **Android Studio**, and Google Cloud Vision API
- Delegated tasks for each of 5 team members and presented the project to judges

Involvement

Co-President, nwPlus

04/2019 - 04/2020

- Led a team of 40 members in the planning and execution of three high profile hackathons bringing in over 1200 participants, 100 industry mentors, and 30 sponsors
- Led technical workshops on **AWS** and hackathon basics to ~180 students

nwHacks Logistics Director, nwPlus

04/2018 - 04/2019

- Led a team of 5 members in planning and running all logistics at Western Canada's Largest hackathon

Workshop Mentor, Illuminate Vancouver

04/2017

- Mentored beginner and intermediate Python and HTML/CSS workshops at the Tekathon conference focussing on coding and design thinking

Certificates/Achievements

MLH Top 50 Hacker 2020 02/2020

AWS Associate Solutions Architect 08/2019

Bizhacks 2017 Finalist 04/2017