

Anita Tse

Software and DevOps Engineer

anitatse@alumni.ubc.ca ✉
+1 (778) 882-8019 ☎
anitatse.github.io 🌐
in/anita-tse in
anitatse 🐙

Experience

Software Development Engineer I, Amazon

Incoming 07/2020

Associate Software Developer, Absolute Software

05/2019 - 12/2019

- Wrote automated end to end tests to perform **SQL** database queries and operations, doubling the test suite size
- 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 operating in production for **Jenkins** automation jobs
- Set up new application health checks on **Sensu** and log collection on **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

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
- Authored over 12 articles on hackathons, team management, and more for nwPlus's Medium Publication

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

AWS Associate Solutions Architect 08/2019
Bizhacks 2017 Finalist 04/2017
Dean's honour list 04/2017