

# Linh Truong

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## Software Engineering Experience

### Production Engineering Fellowship

Jul 2021 – Sep 2021

Major League Hacking and Facebook

- Automated a CD pipeline with GitHub Actions to deploy a web application on a Docker container, guaranteeing 99.99% uptime on AWS EC2
- Established a reverse proxy using NGINX to maximize security and load-balance traffic to serve 100s of requests per server
- Incorporated cAdvisor to gain insight on health and utilization on docker containers to optimize web server usage

### Agile Developer Intern

Jan 2020 – Sep 2020

SAP Canada – HANA and Analytics

- Monitored build systems run on Jenkins CI to automatically flag flaky Jest tests, reducing false positives by 20%
- Led build acceptance tests to verify stable release deployments, achieving a 100% passing rate for over 15 critical workflows
- Maintained 100+ canary landscapes by examining health, ensuring changes to clusters were stable and up to date
- Developed features for a task monitoring tool in Groovy that validated Jira tickets and their hierarchy, displaying invalid tickets onto SAC dashboards and increasing compliancy rate by 20%

## Work Experience

### Mentor – Software Developer

Jan 2021 – Apr 2021

Technovation Girls

- Mentored 2 teams of girls in developing 2 mobile applications that overcome problems within their communities
- Taught fundamental concepts such as control structures and database querying
- Held weekly meetings to introduce Agile methodology, completing retrospectives and setting milestones to fix blockers

## Technical Projects

Shootings Predictions | Stack: Python, scikit-learn, matplotlib, NumPy, Pandas

Mar 2021

- Performed exploratory data analysis on a DataFrame to determine the factors of fatal police shooting in the US
- Formed and optimized an ARIMA model to predict the number of deaths per month, obtaining a RMSE of 1.76

Focus | Stack: Python, Flask, Keras, AWS EC2

Feb 2021

- Produced a Chrome Extension that utilized machine learning to remove the background of any uploaded image in 24 hours
- Incorporated a TensorFlow model to perform semantic segmentation, achieving a 90% image recognition accuracy rate

UpLift | Stack: Java, Google Firebase

Oct 2020 – Dec 2020

- Constructed an Android application to deliver content to improve mental health due to the COVID-19 pandemic
- Integrated Google Firebase database to make CRUD operations on a user preferences table

## Education

**Bachelor of Science, Computer Science Major**

Sep 2021 – Jul 2023 (Expected)

Simon Fraser University

**Computer Systems Technology Diploma, Predictive Analysis Option**

Jan 2019 – May 2021

British Columbia Institute of Technology

## Skills

**Languages:**

Java, Python, JavaScript, SQL, C, Groovy, R, Bash

**Frameworks and Libraries:**

Node.js, Bootstrap, React, Flask, JUnit, PyUnit

**Tools and Workflows:**

Gerrit, Jira, GitHub Actions, Docker, Jenkins, AWS

## Extracurriculars

- Co-organized an interview workshop as a member of SAP's iXp committee, increasing participation from 20 to 30 interns
- Supported new students with the transition from in-person to virtual learning by hosting Q&A sessions with BCIT alumni