

# Jacky Zhao

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## Education

University of British  
Columbia  
09/2019-05/2023  
GPA: 4.0

Bachelor of Science in Computer Science.

Received the Trek Excellence Scholarship 2020 (Top **5%**) and the Dean of Science Scholarship in 2019 (Top **1%**).

## Experience

### Software Engineering Intern

Hootsuite  
05/2020-09/2020  
07/2019-09/2019

Reduced mean time-to-acknowledge for alerts from hours to minutes by adding alerting and monitoring for key SLOs for several tier one services.

Implemented a proof of concept service mesh to break Scala monolith service into microservices. Proposal was added to the company technical roadmap for 2023.

Increased repository code coverage by **18%** by adding end-to-end frontend tests to paid and free signup flow.

*Technologies: AWS, Grafana, Prometheus, Jenkins, Terraform, JavaScript, React, Jest, PHP, Scala, Go, SumoLogic, Docker*

### Open Source Contributor

BentoML  
06/2020-present

Implemented heavily-requested CLI command to containerize BentoML machine learning models.

Reduced docker image size down to just **40%** of its original to allow for lighter deployments by building Debian-slim based Docker images for model server.

Created Helm chart to allow users to easily deploy the model storage component to a Kubernetes cluster.

Selected as one of **144** fellows to be part of the inaugural class of MLH Fellows from a pool of **20,000** applicants.

*Technologies: Docker, PyTest, Python, Kubernetes, Helm*

### HackCamp Logistics Director

nwPlus  
09/2019-present

Lead logistics for HackCamp, a beginner-focused virtual hackathon, attracting over **900+** registrations, **500+** attendees, **1.2k+** unique livestream viewers, and **\$1200** in donations to local BC charities.

Co-lead the creation of a publicly available [self-learning resources guidebook](#) for tech beginners.

Co-lead the development of our [hackathon livesite portal](#) which aims to be a central information hub for hackers to do judging, relay announcements, view the schedule, and see the schedule. Handled **200k+** interactions on the site on the day-of.

*Technologies: GitBook, Firebase, React, Github Actions*

## Projects

### ctrl-v

[github](#)  
[ctrl-v.app](#)

An open-source and publicly usable platform to safely and conveniently share code snippets and source code. Currently serving over 200+ pastes with an accumulated 4k+ paste views.

*Technologies: MongoDB, JavaScript, Go, React, Firebase Hosting, Google Cloud Run, Docker*

### reflect

[github](#)  
[getreflect.app](#)

A digitally mindful website blocker that prompts users to reflect before visiting distracting sites. Currently has **750+** active users, **3.1k+** installs, and a **4.93** star rating on Chrome store.

Intent classification is done using an LSTM network which achieved **~86%** classification on our collected closed-beta data.

*Technologies: TypeScript, Python, Keras, Tensorflow.js*

### readAR

[github](#)

An AR app to help those with learning disabilities by overlaying hard to read text with a dyslexic-friendly font and adds context-dependent word definitions and images using a custom BERT model for word sense disambiguation. Won the Microsoft Hack for Social Good prize at TreeHacks.

*Technologies: PyTorch, Flask, Azure, Docker, Python*