

# Yash Arora

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## 🔧 Education

### University of Waterloo

Bachelor of Software Engineering

Sept 2019 – Apr 2023

- 4.00 GPA, 94% Term Average.
- 4x Dean's Honors List

## 🔧 Skills

Languages

Python

C++

C

SQL

Java

Go

JavaScript

Ruby

Technologies

Tensorflow

PyTorch

Pandas

NumPy

Scikit-learn

Node.js

Tools

Git

MongoDB

Jenkins

AWS

GCP

Kubernetes

Docker

## 🔧 Work Experience

### Tesla

Incoming Software Engineering Intern

Palo Alto, CA | Jan 2022 – Apr 2022

### Shopify

Software Developer Intern

Toronto, ON | Sept 2021 – Dec 2021

- Currently working on beta features for our next release of Oxygen, a hosting platform optimized for headless ecommerce!
- Enhanced the Storefront API with Ruby on Rails and GraphQL to process payment and transaction queries in < 50 milliseconds.
- Developed a dashboard using React and TypeScript to display deployment statuses for custom storefronts hosted on Oxygen.

### UW Aquadrone

Machine Learning Developer, Computer Vision

Waterloo, ON | Sept 2019 – Aug 2021

- Programmed data preprocessing scripts to clean over 43,000 images used for training a convolutional neural network.
- Tuned ML models using TensorFlow/Keras and YOLOv3 to classify select objects underwater by with an accuracy of 94%.
- Wrote algorithms to perform data augmentation on small image datasets, increasing the training set by 24x.
- Leveraged OpenCV's Canny Edge Detection algorithms to inform a drone to pass through dedicated checkpoints.

### Carbonite

Software Engineer Intern

Boston, MA | Jan 2021 – Apr 2021

- Led the development of a feature using React, Node.js, and SQL to monitor the backup statuses of ~300,000 active computers.
- Optimized Jenkins CI/CD Pipeline using parallelization with Groovy to reduce the Carbonite Server Portal build times by 78%.

### Localintel

Software Engineer Intern

Seattle, WA | May 2020 – Aug 2020

- Automated the execution of Python and Node.js scripts using Airflow, reducing on-call developer time by ~12 hours weekly.

### Hatch

Software Developer Intern

Toronto, ON | Jan 2019 – June 2019

- Prototyped a notification delivery service using Python and GraphQL to increase user retention on the Hatch Learning platform.

## 🔧 Projects

**Thing** – The world's first internet-free virtual personal assistant.

yasharora.com/thing

- Received funding from the Royal Bank of Canada, Scotiabank, and former Dragons' Den Investor Michael Wekerle.
- Demoed to private investors at International Career Development Conferences (ICDC) in Orlando, FL and Atlanta, GA.

**Ohana** – Easily collaborate on code with anyone, anywhere.

itsohana.com

- Implemented real-time syncing using Firestore and Socket.IO for whiteboard drawings with up to 15,000 simultaneous users.