Yash Arora

✉ yasharora0606@gmail.com • 🌐 yasharora.com • yasharora0606 • in yasharora0606

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/TypeScript
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

Thinq – The world's first internet-free virtual personal assistant.
yasharora.com/thinq
- 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.