

# Yash Arora

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## Skills

**Languages:** Python, C++, C, SQL, Java, Go, JavaScript, TypeScript, Ruby

**Technologies:** TensorFlow, PyTorch, Pandas, NumPy, Scikit-learn, Node.js, GraphQL, Rails, React

**Tools:** Git, MongoDB, Jenkins, AWS, GCP, Kubernetes, Docker, Redis

## Experience

### Shopify

Software Engineer Intern

Toronto, ON | Sept 2021 – Dec 2021

- Deployed Hydrogen Developer Preview with Ruby on Rails, TypeScript, React, and GraphQL for 80+ Shopify Plus Merchants.
- Enhanced the Storefront API with Ruby on Rails and GraphQL to process payment and transaction queries in under 50 ms.
- Added an open-source readable time library to Quilt using Go/Golang and JavaScript, downloaded by ~45,000 users/week.

### Carbonite

Software Engineer Intern

Boston, MA | Jan 2021 – Apr 2021

- Led the development of a backup monitoring service using Go, Node.js, and SQL, used by over 300,000 active servers.
- Optimized CI/CD Pipeline through parallelization using Jenkins and Groovy to reduce new server portal build times by 78%.
- Deployed a REST API to automatically configure new computers for backups, decreasing user setup times by 23%.

### UW Aquadrone – Autonomous Underwater Drone

Machine Learning Developer, Computer Vision | Python, C++

Waterloo, ON | Jan 2020 – Dec 2020

- Programmed data preprocessing scripts to clean over **43,000 images** used for training a convolutional neural network.
- 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.

### 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.
- Created a data visualization tool with Angular and jQuery to display logistics and accessibility statistics for US infrastructure.

### Hatch

Software Developer Intern

Toronto, ON | Jan 2019 – June 2019

- Designed a notification delivery service using Python and GraphQL, increasing user retention on the learning platform by 14%.

## Projects

**ThinQ** | Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio

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** | Free Online Code Collaborator (Try it!) | Node.js, React, Express, Socket.IO, Firebase

itsohana.com

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

## Education

**University of Waterloo**

Sept 2019 – Apr 2024

Bachelor of Software Engineering, Honours

3.92 cGPA (93.5% Previous Term Average, Dean's Honours List)