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

Education

University of Waterloo **Sept 2019 – Apr 2024**

Bachelor of Software Engineering, Honours 4.00 cGPA (93% Previous Term Average, Dean’s Honours List)

Experience

[Shopify](https://www.shopify.com/)

Software Engineer Intern **Toronto, ON | Sept 2021 – Dec 2021**

* Created and deployed a Developer Preview for [**Hydrogen and Oxygen**](https://hydrogen.shopify.dev/) using Go and TypeScript for [**Shopify Plus Merchants**](https://www.shopify.ca/plus).
* Enhanced the Storefront API with Ruby on Rails and GraphQL to process payment and transaction queries in under 50 ms.
* Developed a dashboard using React and TypeScript to display deployment statuses for custom storefronts on Oxygen.

[Carbonite­­­­](https://www.carbonite.com/)

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 processes of ~300,000 active servers.
* [**Optimized Jenkins CI/CD Pipeline**](https://www.yasharora.com/cicd.pdf) using parallelization with Groovy to reduce the Carbonite 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](https://github.com/Waterloo-Aquadrone/aquadrone-core) - Autonomous Underwater Drone

Machine Learning Developer, Computer Vision | Python, C++ [**Waterloo,**](http://www.github.com/waterloo-aquadrone) **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](https://www.ecdev.org/)

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.
* Developed a [**visualization tool**](https://txedc.ecdev.org/embed/tool-advantages-logistics?location=us-state-48&key=07ffa754-7c4d-4c77-a1dc-d00721bba138) with Angular and jQuery to display logistics and accessibility statistics for US infrastructure.

[Hatch](https://www.hatchcoding.com/)

Software Developer Intern **Toronto, ON | Jan 2019 – June 2019**

* Prototyped a notification delivery service using Python and GraphQL to increase user retention on the learning platform.

Projects

[Thinq](https://devpost.com/software/thinq/) | Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio [**yasharora.com/thinq**](http://www.yasharora.com/thinq)

* Received funding from the Royal Bank of Canada, Scotiabank, and former [**Dragons’ Den Investor Michael Wekerle**](https://en.wikipedia.org/wiki/Michael_Wekerle).
* Demoed to private investors at International Career Development Conferences (ICDC) in Orlando, FL and Atlanta, GA.

[Ohana](https://itsohana.com/) | Free Online Code Collaborator ([Try it!](http://itsohana.com)) | Node.js, React, Express, Socket.IO, Firebase [**itsohana.com**](http://itsohana.com/)

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