Yash Arora

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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

Education

University of Waterloo **Sept 2019 – Apr 2023**

Bachelor of Software Engineering, Honors 4.00 GPA (94% Term Average, 4x Dean’s Honors List)

Experience

[Tesla](https://www.tesla.com/)

Incoming Software Engineer Intern **Palo Alto, CA | Jan 2022 – Apr 2021**

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

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

* Currently working on [**Hydrogen and Oxygen**](https://hydrogen.shopify.dev/), a framework and hosting platform optimized for headless ecommerce!
* 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 Engineering 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%.

[Localintel](https://www.ecdev.org/)

Software Engineering 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.
* Built a data management portal using Node.js, Express, and Angular to automatically perform client map updates.

[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

[Waterloo Aquadrone](https://github.com/Waterloo-Aquadrone/aquadrone-core) | Autonomous Underwater Drone | Python, C++ [**github.com/waterloo-aquadrone**](http://www.github.com/waterloo-aquadrone)

* Programmed data preprocessing scripts for over 43,000 images used in a TensorFlow image classification neural network.

[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.
* 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.