Yash Arora

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Skills

**Languages**: C++, C, Python, Java, JavaScript, Go, SQL, HTML, CSS

**Technologies/Tools**: Git, MongoDB, Jenkins, AWS, GCP, Kubernetes, Docker, Redis, Node.js, React

Education

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

Bachelor of Software Engineering, Honors 3.92 cGPA (93.5% Previous Term Average, Dean’s Honor List)

* Software Engineering Society Vice President, B.P. Dammizio Scholarship and Presidents Scholarship Recipient.

Experience

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

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

* Deployed [Hydrogen Developer Preview](https://hydrogen.shopify.dev/) with Ruby on Rails, GraphQL, and TypeScript for 80+ [Shopify Plus Merchants](https://www.shopify.ca/plus).
* Enhanced the [Storefront API](https://shopify.dev/api/storefront) by implementing multithreading for payments using Ruby, processing queries in under 50 ms.
* Added an open-source readable time library to [Quilt](https://github.com/Shopify/quilt) using Go and JavaScript, downloaded by ~45,000 users/week.
* 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**

* Developed an end-to-end backup monitoring service with SQL, node.js, Go, and React, used by over 300,000 active servers.
* [Optimized CI/CD Pipeline](https://www.yasharora.com/cicd.pdf) through parallelization using Jenkins and Groovy to decrease new server portal build times by 78%.
* Deployed a microservice and REST API to automatically configure new computers for backups, reducing setup times by 23%.

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

Software Engineer Intern **Seattle, WA | May 2020 – Aug 2020**

* Automated data aggregation scripts using Python, node.js and Airflow, decreasing on-call developer time by ~12 hours weekly.
* Created a [data 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**

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

Projects

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

* Programmed image preprocessing scripts using C++ to clean over 43,000 files used to train a convolutional neural network.
* Leveraged OpenCV’s Canny Edge Detection algorithms in Python to inform a drone to pass through dedicated checkpoints.
* Implemented data augmentation algorithms on small image datasets, reducing overfitting and increasing the dataset by 24x.

[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 RTDB and WebSockets for whiteboard drawings with up to 15,000 simultaneous users.