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

· Deployed <u>Hydrogen Developer Preview</u> with Ruby on Rails, GraphQL, and TypeScript for **80+ Shopify Plus Merchants**.
· Enhanced the <u>Storefront API</u> by implementing **multithreading** for payments using Ruby, processing queries in **under 50 ms**.
· Added an open-source readable time library to <u>Quilt</u> using Go and JavaScript, downloaded by **~45,000 users/week**.
· Developed a dashboard using React and TypeScript to display deployment statuses for <u>custom storefronts on Oxygen</u>.

### Carbonite
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.
· <u>Optimized CI/CD Pipeline</u> 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
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 <u>data visualization tool</u> 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

### UW Aquadrone | Autonomous Underwater Drone | C++, C, Python            **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 | Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio            **yasharora.com/thinq**

· Received funding from the Royal Bank of Canada, Scotiabank, and former <u>Dragons' Den Investor Michael Wekerle</u>.
· Demoed to private investors at International Career Development Conferences (ICDC) in Orlando, FL and Atlanta, GA.

### Ohana | Free Online Code Collaborator (<u>Try it!</u>) | Node.js, React, Express, Socket.IO, Firebase            **itsohana.com**

· Implemented real-time syncing using **RTDB and WebSockets** for whiteboard drawings with up to **15,000 simultaneous users**.