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 (remote) | Sept 2021 – Dec 2021

· Deployed Hydrogen Developer Preview with Ruby on Rails, GraphQL, and TypeScript for **80+ Shopify Plus Merchants**.

· Enhanced the Storefront API by implementing **multithreading** for payments using Ruby, processing queries in **under 50 ms**.

· Added an open-source readable time library to 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
Software Engineer Intern   Boston, MA (remote) | 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 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   Calgary, AB (remote) | 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 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 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 **RTDB and WebSockets** for whiteboard drawings with up to **15,000 simultaneous users**.