






# Yash Arora

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## Skills

**Languages:** Python, JavaScript/TypeScript, Java, C++, C, C#, Ruby, Go

**Technologies:** React, Node.js, Angular, Express, Flask, Django, .NET, jQuery, Jest, Rails, TensorFlow

**Tools:** Git, Jenkins, AWS, GCP, Microsoft Azure, Docker, Kubernetes, MongoDB, Postman, SQL

## Education

University of Waterloo

2019 - Present

Bachelor of Software Engineering

4.00 GPA (93% Term Average), 3.92 CGPA

## Experience

**Carbonite - Software Engineering Intern**

Boston, MA. | Jan 2021 - Present

- Developed scalable cloud backup software with JavaScript/TypeScript (React, Node.js), Python, and SQL.
- Created a service to automatically configure new computers for backups, reducing onboarding time by 23%.
- Led the development of a new feature using React and .NET to monitor the status of over 300,000 active servers.
- Optimized CI/CD Pipeline using parallelization with Jenkins (Groovy) to reduce build execution time by 78%.
- Deployed and demoed internal code coverage analysis/visualization tool for 700+ members of technical staff.

**Localintel - Software Engineering Intern**

Seattle, WA. | May - Aug 2020

- Led the development of a client data management portal in Angular (JavaScript), increasing product outreach.
- Automated the execution of scripts using Node.js, Python, and Airflow, saving ~12 development hours weekly.
- Created REST API routes and endpoints with ASP.NET and Express to manage clients' geographical data.
- Implemented authorization role-based authentication with JWT to secure confidential customer data.

**Hatch - Software Developer Intern**

Toronto, ON. | Jan - June 2019

- Prototyped a notification delivery service in Python (Django) to increase user retention and engagement.
- Created interface using React to allow users to query a company database from the customer portal.

## Projects

**Thing** - Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio

[yasharora.com/thing](https://yasharora.com/thing)

- Received funding on behalf of Scotiabank, RBC, and Dragons' Den Investor Michael Wekerle.
- Demoed at International Career Development Conferences in Orlando, FL and Atlanta, GA.
- Leveraged natural language processing (NLP) to summarize queries and optimize response time.

**Ohana** - Free Online Code Collaborator ([Try it!](#)) | Node.js, React, Express, Socket.IO, Firebase

[itsohana.com](https://itsohana.com)

- Led product management by defining core project scope, goals, and deliverables among 4 developers.
- Implemented REST API and Socket.IO with Node.js and Express to sync whiteboards for up to 15,000 users.
- Designed and developed homepage, text editor, and whiteboard UI components using React.

**Vysion** - Computer Vision for the Visually Impaired ([Try it!](#)) | GCP, TensorFlow, React

[vysion.live](https://vysion.live)

- Detected the presence of objects using TensorFlowJS, reducing API calls and improving user experience.
- Performed image classification and OCR with Google Cloud Vision to inform users of their surroundings.

## Design Teams

**Waterloo Aquadrone** - Autonomous Underwater Drone | Python, C++

[github.com/waterloo-aquadrone](https://github.com/waterloo-aquadrone)

- Created ML models using TensorFlow/Keras and YOLOv3 to classify objects in various underwater conditions.
- Programmed scripts with Python to automate the labelling process of large image data sets.