




# Yash Arora

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## Education

### University of Waterloo

#### Bachelor of Software Engineering

Sep 2019 – Apr 2024

4.0 GPA (93% Term Average), 3.9 CGPA

## Skills

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

**Technologies:** React, Node.js, Angular, Express, Flask, Django, .NET, jQuery, Ruby on Rails, TensorFlow, PyTorch, MongoDB, SQL

**Tools:** Git, Jenkins, AWS, GCP, Azure, Docker, Kubernetes

## Experience

### Carbonite

#### Software Engineering Intern

Boston, MA. | Jan 2021 - Present

- Currently building scalable cloud backup software with JavaScript (React, Node.js), .NET, SQL, and lots of coffee!
- Developed a service to automatically configure new computers for backups, reducing onboarding time by 25%.
- Created REST endpoints and UI with .NET and React to display backup statuses for over 300,000 active servers.

### Localintel

#### Software Engineering Intern

Seattle, WA. | May 2020 – Aug 2020

- Led the development of a client data management portal in Angular (JavaScript), increasing product outreach.
- Implemented role-based authentication with .NET Core (C#) and JWT to secure customer data.
- 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.
- Applied optimizations using RxJS and Lazy Loading to reduce web application load times by 60%.

### Hatch Canada

#### Software Developer Intern

Toronto, ON. | Jan 2019 – 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.