






# Yash Arora

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## Skills

**Languages:** JavaScript/TypeScript, Python, Java, HTML, CSS

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

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

## 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 - Apr 2021

- Led the development of an interface with TypeScript (React) to display the statuses of ~300, 000 active servers.
- Worked with PMs and UX developers on an interface to automatically configure new computers for backup tasks.
- Created various new shared components in React and Angular for use across the Carbonite Product Suite.
- Deployed and demoed an internal code coverage visualization tool for 700+ members of engineering staff.
- Leveraged Jest/Enzyme and Karma to write both unit and integration tests for Angular and React components.

Localintel - Software Engineering Intern

Seattle, WA. | May - Aug 2020

- Built a data management portal in JavaScript and TypeScript (Angular) to automate client map updates.
- Developed a **visualization/mapping tool** with Angular and jQuery to display logistics and accessibility statistics.
- Implemented authorization and role-based authentication with JWT to secure confidential customer information.
- Created REST API routes/endpoints with Express to manage CRUD operations on PostgreSQL database.

Hatch - Software Developer Intern

Toronto, ON. | Jan - June 2019

- Prototyped a notification delivery service using Python (Django), increasing user retention and engagement.
- Created an interface using React to allow users to query a problem-set database by required competencies.

## Projects

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

itsohana.com

- Designed and developed homepage, text editor, and whiteboard UI components using Figma and React.
- 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.

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

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.

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

vysion.live

- Created mobile-friendly UI for beta users to test the application's functionality in a variety of use cases.
- 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

- Programmed scripts with Python to automate the labelling process of datasets with over 43, 000 images.