Yash Arora

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Education

University of Waterloo

Bachelor of Software Engineering, 2019 - 2024

4.0 Term GPA (93% Average), 3.9 CGPA

Skills

Languages: Python, JavaScript, Java, C++, C, C#, SQL

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

Tools: Git, MongoDB, PostgreSQL, Jenkins, Docker, Kubernetes

Experience

Carbonite

Software Engineering Intern   Boston, MA. | Jan 2021 - Present

- Currently building cloud backup software with JavaScript (React, Node, Express), .NET, SQL, and lots of coffee!
- Developed a service to allow company administrators to automatically configure new computers for backups.

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 authorization with .NET Core (C#) and JWT to secure customer data.
- Automated the execution of workflows using Node, Python, and Airflow, saving ~15 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 mapping software load times by 60%.

Hatch Canada

Software Developer Intern   Toronto, ON. | Jan 2019 – June 2019

- Prototyped a notification delivery service in Python to expand application functionality and user retention.
- Created interface using React to allow users to query a company database from the customer portal.

Projects

Thinq - Internet-Free Virtual Personal Assistant | Node, Wolfram Alpha, Twilio API   yasharora.com/thinq
- 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, React, Express, Socket.IO, Firebase   itsohana.com
- Led product development by defining core project scope, goals, and deliverables.
- Implemented real-time syncing whiteboard and text-editor with Express for up to 15000 simultaneous users.
- Corresponded with beta users to determine additional desired functionality and product direction.

Vysion - Computer Vision for the Visually Impaired | OpenCV, Google Cloud Vision   yasharora.com/vysion
- Detected the presence of objects using OpenCV to reduce latency and improve user experience.
- Performed object recognition with Google Cloud Vision and Clarifai API to inform the user of their surroundings.

Design Teams

Waterloo Aquadrone - Autonomous Underwater Drone | Python, C++   github.com/waterloo-aquadrone
- Created ML models using TensorFlow/Keras and YOLOv3 to classify objects underwater.
- Programmed scripts with Python to automate the labelling process of large image data sets for manual classifiers.