Yash Arora

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Skills

Languages: Python, JavaScript/TypeScript, Java, C++, C, C#
Technologies: React, Node.js, Angular, Express, Flask, Django, .NET, jQuery, Ruby on Rails, TensorFlow, PyTorch
Tools: Git, Jenkins, AWS, GCP, Azure, Docker, Kubernetes, MongoDB, SQL

Education

University of Waterloo   2019 – 2024
Bachelor of Software Engineering   4.0 GPA (93% Term Average), 3.9 CGPA

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

Thinq - Internet-Free Virtual Personal Assistant | Node.js, Wolfram Alpha, Twilio   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.js, React, Express, Socket.IO, Firebase   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
- 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
- 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.