YASH OZA

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ynoza
oza

Computer Science & Business Double Degree, University of Waterloo

EDUCATION

University of Waterloo :: Bachelor of Computer Science (GPA: 3.9/4.0) Sep 2018 – Apr 2023
- o Courses in Big Data, Algorithms, Data Structures, Software Architecture, Networks, Graph Theory, AI

Wilfrid Laurier University :: Bachelor of Business Administration (GPA: 10/12) Sep 2018 – Apr 2023
- o Courses in Managerial Accounting, Financial Accounting, Computing in Accounting, Marketing, Economics

SKILLS

Languages :: Python, Java, Golang, C++, C, Bash, SQL, TypeScript, JavaScript, MongoDB, Scala

Technologies :: Spring Boot, Docker, Angular, Spark, AWS, Git, TensorFlow, React, Node.js, Kubernetes, Hadoop, Hive

EXPERIENCE

Databricks :: Software Engineer Intern (SQL X) – San Francisco, CA May 2022 – Aug 2022
Stack: Scala, Spark, SQL, Angular

NVIDIA :: Software Engineer Intern (Cloud Platform) – Santa Clara, CA Jan 2022 – Apr 2022
- o Leveraged LRU & TTL Loading caches to design & implement a server-side cache in Golang that reduced the server's load by 40%
- o Completed the end-to-end design & development of a Java SDK that allows attribute-based access management (ABAC)
- o Implemented a Spring Boot Client with Feign & Retrofit2, deployed OPA modules with 100% test coverage, and injected team-created spring-starters to showcase the end-to-end flow of the developed SDK
- o Dockerized repositories, provided metrics, and added logging to evaluate performance, track usage, and make data driven decisions

MDA :: Software Engineer Intern (TRITON) – Halifax, NS Jan 2021 – Apr 2021
- o Engineered 13+ backend features in Java Spring Boot using design paradigms like Singleton to align with its Microservices architecture
- o Implemented 19+ versatile REST API endpoints and reduced the latency of 15+ existing endpoints by 17 minutes a day
- o Enhanced Triton's Application View in Angular with heuristics like pure piping and lazy loading to reduce its load time by 23%
- o Configured pod affinities in Kubernetes clusters integrated with Docker, Jenkins, and Kafka for better CI/CD

Blackberry :: Software Developer Intern (QNX Software Systems) – Kanata, ON Jan 2020 – Apr 2020
- o Developed a Python & Django Reservation System with 100+ users that reduced reservation spurred conflicts by 93%
- o Recycled DOM elements in JavaScript asynchronously to reduce the browser's memory consumption by 21%
- o Increased the speed of a Linux toolchain API by 1.5x through SQL optimizations like normalizing tables and creating stored procedures
- o Improved Docker's runtime performance and reduced latency by 38% with build caching, preloading, and condensing Dockerfiles

PROJECTS

TrashSort :: Trash Classification App
- o Collaboratively implemented the AWS Express.js server & CNN image classifier of the app with JavaScript & Python while using numerous open-source datasets on Kaggle, achieving 91% accuracy – Won Best Software Architecture Application of Summer 2021

Traffic Computer Vision :: Road Sign Classifier
- o Trained a CNN with TensorFlow to accurately classify road signs for self-driving cars 97% of the time, using OpenCV-Python for image processing and scikit-learn for data organisation