

YASH OZA

EDUCATION

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oza

Honours Bachelor of Computer Science & Business Administration Double Degree Sep 2018 – Apr 2023
University of Waterloo – Computer Science (GPA: 3.9/4.0) Wilfrid Laurier University – BBA(Accounting) (GPA: 10/12)

EXPERIENCE

Databricks :: Software Engineer Intern (Runtime) - Incoming

Stack: Python, Scala, Spark, Hadoop

May 2022 – Aug 2022
San Francisco, California

NVIDIA :: Software Engineer Intern (Cloud Platform)

Stack: Go, Python, Java, Prometheus

Jan 2022 – Apr 2022
Santa Clara, California

- Leveraged **LRU** & **TTL** caches to design & implement an abstract interface in **Golang** to mitigate inefficiencies from server requests
- Completed the end-to-end design & development of a **Java** software development kit that allows access management to the cloud

MDA :: Software Engineer Intern (TRITON)

Stack: Java, TypeScript, Node.js, Angular, MongoDB

Jan 2021 – Apr 2021
Vancouver, BC

- Engineered **13+** backend features in **Java Spring Boot** using various design paradigms to complement its **Microservices** architecture
- Implemented **19+** versatile **API** endpoints and reduced the latency of **15+** existing endpoints by **17** minutes a day
- Enhanced Triton's Application View in **Angular** with heuristics like pure piping and lazy loading to reduce its load time by **23%**

Blackberry :: Software Engineer Intern (QNX Software Systems)

Stack: Python, JavaScript, SQL, Selenium

Jan 2020 – Apr 2020
Kanata, Ontario

- Developed a **REST API** Reservation System in **Python** based **Django** with **100+** users that reduced reservation spurred conflicts by **93%**
- Recycled DOM elements in **JavaScript** asynchronously to reduce the browser's memory consumption by **21%**
- Increased the speed of a **Linux** toolchain API by **1.5x** through **SQL** optimizations like normalizing tables and creating stored procedures
- Improved **Docker's** runtime performance and reduced latency by **38%** with build caching, preloading, and condensing Dockerfiles

TD Securities :: Systems Analyst (Market & Credit Risk)

Stack: Bash, Excel, VBA, Jira

May 2019 – Aug 2019
Toronto, Ontario

- Automated **40+** hours of work per month by periodically scraping through log files & populating spreadsheets via **Bash** & **VBA** scripts
- Reduced the time lag between job failure and detection by an average of **4** minutes by polling **Cronjobs** to trigger events

PROJECTS

TrashSort :: Trash Classification App

- Collaboratively implemented the **AWS Express.js** server & **CNN** image classifier of the app using numerous open-source datasets on **Kaggle**, achieving **91%** accuracy – Winner of the **Best Software Architecture Application of Summer 2021** @ University of Waterloo

SKILLS

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

Technologies | Docker, Django, AWS, Angular, Git, TensorFlow, React, Node.js, Kubernetes, Hadoop, Spark, Hive