





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 :: Incoming Software Engineer Intern (Runtime)

Stack: Python, Scala, Spark, Hadoop  San Francisco, California  May 2022 – Aug 2022

NVIDIA :: Incoming Software Engineer Intern (Cloud Platform)

Stack: Go, Python, Typescript, Angular  Santa Clara, California  Jan 2022 – Apr 2022

MDA :: Software Engineer Intern (TRITON)

Stack: Java, TypeScript, Node.js, Angular, MongoDB  Halifax, Nova Scotia  Jan 2021 – Apr 2021

- Engineered **13+** backend features on Triton, a Vessel Management and Navigation System for NATO, in **Java Spring Boot** using various design paradigms like Observer, Aggregator, Strategy to complement its **Microservices** architecture
- Implemented **19+** versatile **REST 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  Kanata, Ontario  Jan 2020 – Apr 2020

- 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  Toronto, Ontario  May 2019 – Aug 2019

- Automated **40+** hours of work per month by periodically scraping through log files via **Bash** Scripts, auto-generating email notifications, and routinely populating spreadsheets with **VBA** scripts
- Reduced the time lag between job failure and detection by an average of **4** minutes with **Bash** scripts scheduled via **CronJobs**

PROJECTS

TrashSort : An Android app that classifies trash from images

- 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