

EDUCATION

UNIVERSITY OF WATERLOO

MMATH THESIS IN COMPUTER
SCIENCE

Major: Software Engineering
Guide: Prof. Paulo Alencar
Waterloo, ON | CGPA : 87%
Sep'14 - May'17

DELHI TECHNOLOGICAL UNIVERSITY

B.TECH ENGINEERING PHYSICS

Major: Robotics & Info Systems
New Delhi, India
May'09 - Sep'14

LINKS

Github:// github.com/zxingz
LinkedIn:// [linkedin.com/in/zxingz](https://www.linkedin.com/in/zxingz/)

SKILLS

PROGRAMMING

Over 10000 lines:

Python • Java • C++/C • JavaScript •
Bash

PYTHON

Apache Airflow • Pandas • PySpark •
Django • PyTorch • Spacy • SQLAlchemy
• scikit-learn

JAVASCRIPT

Bootstrap4 • jQuery • ReactDOM
DATA VISUALIZATION
Tableau • Grafana • D3.js • Plotly •
Kibana

DB/CACHE/QL

Postgresql • Redis • Hive • MySQL •
Oracle • Hbase

DEV/CI/CD

Jenkins • Docker • Git • SVN

MONITORING

ElasticSearch • Filebeat • CAdvisor •
NodeExporter

ENVIRONMENTS

RHEL • Windows • Hadoop HDFS •
Apache Mesos-DC/OS

EXPERIENCE (4 YEARS 5 MONTHS)

SCOTIABANK (CANADA)

DATA SCIENTIST | INTERNATIONAL BANKING ANALYTICS

August 2019 – Present | Toronto, ON

- Working on customer segmentation into premium groups based on wealth and risk adjusted revenue.
- Developed pricing simulation dashboard for Caribbean operations to simulate changes in fee structures.
- Manage analytics pipeline to Scotiabank's Latin America and Caribbean businesses.

#Microservices #DC/OS #Spark #APIs #Data Visualization

DATA SCIENTIST | DECISION SCIENCES

July 2018 – August 2019 | Toronto, ON

- Used Grafana and Postgres to create dashboards for Electronic Money Transfer transactions.
- Analyze Electronic Money Transfers using PySpark to gather transaction information(Email ID, Acc No., IP) from log files on HDFS.
- Developed Reading Comprehension System using Google Research's BERT model for SEDAR News documents.

PROGRAMMER ANALYST | CENTRALIZED RISK PLATFORM

July 2017 – July 2018 | Toronto, ON

- Deployed Apache Airflow for RMIT Risk Warehouse on Production environment with 80+ DAGs.
- Deployed Elasticsearch and Filebeat for log analysis.
- Deployed monitoring stack (Prometheus, Grafana, CAdvisor, NodeExporter).

INTERN | EQUITY TRADING & ELECTRONIC EXECUTION SERVICES

May 2016 – August 2016 | Toronto, ON

- Instant Chat using Socket.IO, Email reporting/tracking server, Trading performance report.

ERNST & YOUNG L.L.P | ASSOCIATE CONSULTANT | IT ADVISORY

June 2013 – July 2014 | New Delhi, India

- Develop & Design UI and Logic using SAP Advanced Business Application Programming. Customize and Develop Data Report and Form Generation.

SAMSUNG R&D LAB | INTERN | DATA ANALYTICS GROUP

May 2013 – June 2013 | New Delhi, India

- Extraction of movie trailer links from MovieLens data sets. UI for Samsung Smart TV gesture recognition Application.

PROJECTS

• The-Software.Dev • Airflow • Monitoring • Machine Comprehension- Google BERT • High Frequency Trading