(647) 873-3216
Toronto, Ontario
kalbasi.hossein@gmail.com

Hossein Kalbasi
Data Scientist / Data Engineer

hosseinkalbasi.github.io 🌐
github.com/hosseinkalbasi
linkedin.com/in/hosseinkalbasi in

I am an experienced Data Scientist with Engineering and System Management background; an initiator with entrepreneurial spirit and experience in mentoring and team leadership

SKILLS

Data Science	Scikit-Learn, Tensorflow, PyTorch, Scipy, Statsmodel, Elasticsearch, BigQuery, Vertex AI
Programming	Python, Java, JavaScript, Bash
Web	FastAPI, Flask, Django, React, GatsbyJS
Database	MongoDB, PostgreSQL, MySQL, MSSQL
IDE	PyCharm, VS Code, Jupyter Lab, Spyder
Platform	Linux, Windodws, Docker, Kubernetes, GCP, AWS
Big Data	Spark, Hadoop, Dask, Kafka, BigQuery
Tools	Git, LaTeX

TECHNICAL EXPERIENCE

Data Scientist — 12 2021 — **Present**
Concured — *Montreal, QC*

- Planner and organizer of bi-weekly content recommendation systems meetings
- Planner and organizer of bi-weekly Lunch & Learn company-wide meeting
- Working on dynamic recommendation systems using session-based and sequential-based Deep Learning algorithms
- Designing and developing recommendation API serving multiple models for different scenarios and executing A/B testing per configurations
- Designing and developing an automatic system to identify product failures using log analysis and machine learning techniques, deployed using Cloud Run, Big Query, and Google Data Studio

Data Science Instructor — 12 2020 — **Present**
GreatLearning (freelancer) — *Toronto, Ontario*

- Have taught 300+ North American learners so far (4.75 overall rating by learners)
- Teach AI programs developed by the University of Texas at Austin

Data Engineer — 03 2021 — 12 2021
Concured — *Montreal, QC*

- Develop and maintain streaming data pipelines for the product. Example: fetching social engagement metrics (such as Twitter, Facebook, LinkedIn, and Google Analytics) for crawled documents - hands-on with Python and Mongo Atlas
- Design and develop client-facing search engine – Hands-on with Python, Elasticsearch, and Kibana

Data Engineer/Architect — 01 2019 — 03 2021
ReactiveCore — *Montreal, QC*

- Work with stakeholders to identify opportunities for leveraging data to drive business solutions
- Analyze data of healthcare providers and enable intelligent decision-making using proprietary AI rule-based decision making
- Lead build and release structure and apply DevOps principles to improve team agility
- Integrate Jupyterlab with ReactiveCore big data stack, enhancing Data Science capabilities using Graph-based and Ontology-based approaches

Data Engineer — 12 2017 — 01 2019
JITbase — *Montreal, QC*

- Develop IIoT (Industrial Internet of Things) adapters for collecting and cleansing the data fetched from industrial machines using machines' serial ports and custom manuals
- Predictive maintenance of the shop floor using machine learning techniques

EDUCATION

Master of Applied Science in Industrial Engineering and Information Systems, *Concordia University - Faculty of Engineering and Computer Science* — 2016 — 2019
Bachelor of Science in System Management, *Isfahan University of Technology* — 2012 — 2016
Bachelor of Science in Mechanical Engineering (Manufacturing) *Isfahan University of Technology* — 2011 — 2014

US PATENTS

U.S. Patent US10636555B2: "Articulated Video Probe with Magnetic Stimulation", GRANTED — April 2020