

Keivan Mokhtarpour

Software Developer, Data Scientist, Machine Learning Engineer

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[GitHub](#)

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EXPERIENCE

PolyControls Inc., Montreal, QC — *Software Developer* (Full-Time)

August 2021 - Present

- Develop desktop applications using C#
- Setup and Maintain OPC (PLC) server
- Train and Test ML models on fluid data
- Debug backend (Learning .NET)
- Debug frontend (Learning .xaml)

Beam Data, Toronto, ON — *Data Scientist* (Full-Time)

April 2021 - July 2021

- Implemented web scraper to extract data (Python)
- Train/Tested ML models on real estate data (Python)
- Built ETL pipelines using PySpark in Databricks
- Streamed data from Twitter API through Amazon Kinesis

Concordia Uni., Montreal, QC — *Researcher and Developer* (Full-Time)

January 2018 – March 2021

- Design an AI-powered desktop app to detect fluid flow anomaly
- Train and Test ML models on fluid data (Python)
- Train and Test DL models on fluid data (Python)
- Machine Learning — Computer Vision

SKILLS

Programming:

Python, C, C#

Database:

SQL, Sqlite, PostgreSQL

Web:

Django, Flask, HTML

Cloud:

AWS, Azure

Other:

Bash, Selenium, Docker

KNOWLEDGE

Web Scraping

Software Development

Data Science

Machine Learning

Deep Learning

LANGUAGES

English - Fluent

French - Beginner

Persian - Native

EDUCATION

Concordia University, Montréal, QC — *M.Sc.*

January 2018 - September 2020

Mechanical Engineering

Tehran Polytechnic, Tehran, Iran — *B.Sc.*

September 2012 - August 2017

Mechanical Engineering

PUBLICATIONS

Modal Analysis Based Classification of Liquid Jets in Crossflow

Dynamic Mode Decomposition of Elliptical Liquid Jets in Crossflow