

MASOUD AKHGAR

Software Developer

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SUMMARY

I am Masoud Akhgar, graduated M2-Informatics, Mastered, motivated to constantly develop my skills and grow professionally, searching for **Full-time CDI/CDD**. Having not only experience and teamwork skills, but also an understanding of infrastructures - Chess Lover, committed to deadlines, Skating, Humourist, Hard-working, "No pain No gain"

EDUCATION

more than
a year

Master M2 MOSIG Institut polytechnique de Grenoble - Ensimag

among 5th best universities in France

learn Principles and data management, plus novel ML models presented in recent years

9/2018 - 9/2022

Ferdowsi University of Mashhad

Ranked at top third universities in Iran

Teaching programming, software design, networks, database systems and AI systems, Specialized in one last year. I specialized on AI/Software development and did various [projects](#) with: GPU, CUDA, Trees, Java, Web, Cloud

EXPERIENCE

2/2023 -
6 months

Cost Prediction - Data Scientist - [more information](#)

Schneider Electric - Grenoble Hub

- estimating final cost of plastic parts including hidden costs, using just visible parts features
- collecting data from all the world, and visualizing using Tableau and Excel
- helping the company to reach out the error target
- great achievement despite of small dataset, using XGBoost, sample weight learning, multi-models and NN, inspired by related paper [SQL / Excel / python / Tableau / NN / optimization](#)

1/2022 -
2 months

Off-campus industrial project - Data/NLP Analyst - [more information](#)

nikaro company

- Goal is information retrieval from platform, Classifying All Class Descriptions in Persian in Different Categories such as Sports, using a SQL database
- Scraping data from website, Preprocessing like remove stopwords, Using word2vec, Classifying words
- Visualizing Outcome, query response services
- Worked with the Mizito platform based on Scrum [bs4 / PostgreSQL / Django / clustering / Py](#)

12/2019 -
more than 1.5 years

Patent: Emg Signal Processor Application - Software Engineer - [more information](#)

Robotics Lab.

- Implemented Real-Time Signal Receiver and Plotter From Wireless And Serial Connection - group of 12 people, containing CI/CD process, Git, documentation, DFD flowcharts, validation and detection testing
- Designed a Software in a Group with high Human Computer Interaction Using Qt, .ui and C++
- Familiar With Some Signal Filters Used In The Application [C++ / Qt / Git / CI/CD / teamwork](#)

6/2022 -
3 months

Motion Intent Learning about Exoskeleton - AI Researcher/Intern - [more information](#)

Robotics Lab.

- Contributing research-based to a Wearable Sensing Systems Project For Motion Intent Learning
- Image-based Analysis papers, signal-driven learning models, RNN, LSTM and BDNN
- Mastered the process of AI-based Improvement in More Than 10 Recent Articles Using Deep Learning . [signal-driven learning / recurrent networks / teamwork / image-processing](#)

1/2021 -
4 months

API-based Query Management (course) Project - [more information](#)

Ferdowsi university

- The goal is Query (Sqlite) management by having list of games, delivering project on cloud pipeline.
- It is responding to user through API by Json files, considering user's token
- Using Django as backend + MVP model, and postman, so we dont provide GET/POST requests
- Building yml&docker, Creating artifacts and the pipeline on iranserver, deploying project [API / Postman / Django-MVP / Sqlite / Json / Docker / CI/CD](#)

PUBLICATIONS AND DIPLOMAS

10/2021 -
10 months

M. Akhgar, T. Bahraini, HS. Yazdi, "Robust Histogram of Oriented Gradient" - developer [more information](#)

- Goal is producing robust HOG of image from a noisy one, using mathematical optimization
- Worked with image processing modules in python
- Research-oriented & signal processing project leading to submit as a paper [OpenCV / optimization / python / teamwork](#)

9/2022 -
two weeks

Microsoft Azure Databricks for Data Engineering

[more information/degree](#)

- Action, lazy and eager evaluations, Wide and Narrow transformations
- Processing streaming data with Azure Databricks structured streaming [Databricks / Sparks / Key-Vault / CI/CD / Azure](#)

6/2020 - 9/2020 **ACM-contest Participation**

Focusing on dynamic programming, solving more than hundred problems on codeforces

C++ / DP

REFERENCES

- Slimane Merabti Vice President Industrialization FD IEC - Schneider Electric
Email: slimane.merabti@se.com Please don't hesitate to ask any **proof** of mentioned data, or contact the references.

English - C1, **French** - B1/B2 (able to communicate)