MASOUD AKHGAR

Software developer

3 years in C++
looking for the first permanent contract

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SUMMARY

graduate M2-Computer Science, I am looking for **immediately Full-time**, motivated to constantly develop my skills and to flourish professionally.

General skills: respect for deadlines, teamwork, adoptable, autonomy, fast learning

SKILLS

Languages: Python (Django), C/ C++ ,Java, HTML SQL , PostgreSQL , GO

Libraries: STM32 Modules, Qt libraries, CUDA , OpenMP, FPGA, VHDL, embedded programming

DevOps : Git , Docker , CI/CD , Spark, GCP , Azure

Others: Photoshop, Linux, Tableau, Excel, Qt, Latex, Scrum, STM32CubeIDE , Xilinx, unit testing

PUBLICATIONS AND DIPLOMAS

5 months — **Participation in courses for ACM competition**
· Focus on dynamic programming (C++), solve over a hundred problems on code forces
`C++ / DP`

10/2021 - 10 months — **M. Akhgar, HS. Yazdi, "Robust Histogram of Oriented Gradient" - python developer - more information**
· The goal is to produce robust HOG of a noisy image, with mathematical optimization
`OpenCV / optimization / python / teamwork`

EXPERIENCE

10/2024 - 7/2025 — **MarketData C++ Software Engineer - QuantHouse - Paris**
· Design, development, maintenance and debugging of a modular market data ingestion system
· No technical problem in the period according to the supervisor
`C++ / WSL / Git / QA-Skill`

for 6 months — **Development of a Platform for Cost Forecasting - stage - Schneider Electric**
`SQL / Excel / Python / Tableau / Django`

12/2019 – 1,5 years — **Patent: Emg Signal Processor C++ Application - Software Engineer - Robotics Lab.**   **more info**
· Implementation of a receiver and a tracer of people signals
· design of a software in the framework of a team
· efficient programming oriented object & microservices
`C++ / Qt / Git / CI/CD / Real-time System / .ui`

1/2022 – for 6 months — **Parallel Computing - Parallel Programming Developer**   **more Information**
· Goal: Improve the execution time of the DOG algorithm using OpenMP and Cuda
· Use a well-known interactive kernel profiler Nsight for control
`Nsight / OpenMP / CUDA / C++`

11/2021 – 4 months — **Embedded systems developer - Game development**   **more information**
· the goal is to develop the game Super Mario Run using an Arduino board, a 7-segment STM32 Cubeide and other tools like a keyboard
· using signal management in c++, using CubeMonitor for monitoring and testing
`STM32 Cubeide / CubeMonitor / embedded development / C++ / VHDL / Verilog`

3/2020 – for 4 months — **Cloud Computing Project (Course) - Ferdowsi University**   **see the project**
· The goal is query management (Sqlite) by having a list of games on a dataset
· Use Django as a backend, MVP model and postman, no GET/POST requests
· Build yml&docker, Create artifacts and pipeline on iranserver, deploy the project
`API / Postman / Django-MVP / SQlite / Json / Docker / CI/CD`

1/2022 – 2 months — **Recommendation System - Data/NLP Analyst - nikaro company**   **more information**
· Goal is information retrieval from platform, Classifying All Class Descriptions for the company
· Scraping data from website, Preprocessing like remove stopwords, Using word2vec, Classfiying words
`bs4 / PostgreSQL / Django / clustering / Py`

EDUCATION

2022 - 2024 — **Master MOSIG Institut polytechnique de Grenoble - Ensimag**   **among the 5th best universities in France**

9/2018 - 9/2022 — **Bachelor's degree - Ferdowsi University of Mashhad**   **Ranked among the best Iranian universities**
I have done various projects with: GPU, Cuda, Trees, Java, Web, Cloud, Hardware/Software Design

REFERENCES

- Slimane Merabti Vice President Industrialization FD IEC - Schneider Electric
  Email: slimane.merabti@se.com   Please feel free to ask for any **proof** of the data mentioned, or to contact the references.
  English - B2, **French** - B2