AHMED FOUAD LAGHA
Software Engineer

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SUMMARY

I am a software engineer with a keen interest in artificial intelligence. With a solid foundation in software development and a passion for AI technologies. Highly motivated to solve different kinds of problems. I continuously work on forging my technical skills through real-world projects and research.

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, HTML/CSS, SQL.

Databases: MongoDB, MySQL, PostgreSQL.

DL Libraries: TensorFlow, PyTorch, spaCy, Scikit-learn.

Web Technologies: ReactJS, NodeJS.

Cloud Platforms: GCP, AWS, Azure.

Technologies: Docker, Kubernetes, Git/GitHub, Linux, DVC.

EXPERIENCE | *PROFESSIONAL*

Present 06/2023 — **Software Engineer Intern** — **ALX (remote)**

- Develop design systems and gather information on project limitations, capabilities, performance requirements, and interfaces
- Model a system or application to help developers write the code that is needed Calculate, recommend, and plan computer specifications, layouts, and peripheral equipment modifications through analysis and recommendation
- Analyse system capabilities and requirements by storing, retrieving, and manipulating data

<u>skills:</u> project management — critical thinking — creative problem solving — interview techniques — communication — collaboration skills

EDUCATION

M.Sc — **University of Khenchela, Algeria** — **Oct. 2023 – June 2025**
Master's degree, Artificial intelligence

B.sc. — **University of Khenchela, Algeria** — **Oct. 2020 – June 2023**
Bachelor's degree, Mathematics and Computer Science
Minors in Data Processing System (Average 16.17/20 | Ranking 1st).

Bac. — **Lycée Khaldi Mamoune, Algeria** — **sept. 2016 – July 2019**
Secondary Education Diploma, technical mathematics
Graduated with Honors. (Rank: 1st regional)

CERTIFICATIONS

apr. 2024 — **Supervised Machine Learning** ↗ — **DeepLearning.AI, Stanford University**

- Build machine learning models in Python using popular machine learning libraries NumPy & scikit-learn.
- Build & train supervised machine learning models for prediction & binary classification tasks, including linear regression & logistic regression.

<u>skills:</u> Linear Regression, Regularization to Avoid Overfitting, Logistic Regression for Classification, Gradient Descent, Supervised Learning

AWARDS AND DISTINCTIONS

ALCPC   2023
Rancking $17^{th}/50$ in the Algerian Collegiate Programming Contest Algeria, where participants had to build optimal solutions for various problems.

SOFT SKILLS & LEADERSHIP

- Problem-Solving
- Critical Thinking
- Continuous Learning
- Communicating for Impact
- Managing Complex Tasks
- Entrepreneurial Thinking

LANGUAGES

- **Arabic:** Native
- **English:** C1
- **French:** B2

REFERENCES

Pr. T. M. MAAROUK
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