



Jean-Marc Alkazzi, PhD

📍 Munich, Germany

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Founding Engineer at idealworks (BMW Group spinoff), now leading Applied AI. 8 years building AI systems in the BMW Group ecosystem from Quality Assurance to Multi-Robot Coordination. Shipping intelligent coordination and optimization software for hundreds of autonomous robots in factories and warehouses worldwide.

EDUCATION

Doctor of Engineering, Artificial Intelligence

Université de Franche-Comté, France, 2019–2024

Thesis: Industrial Robot Fleet Management Systems: From Research to Production.

MSc Computer & Communication Engineering

Antonine University, Lebanon, 2013–2018

Ranked 1st across all engineering departments

EXPERIENCE

Engineering Manager, Applied AI — Founding Member

Dec 2020 – Present

[idealworks GmbH](#) (BMW Group spinoff, acquired by Agile Robots 2025), Munich

Lead Applied AI team and technical strategy across multi-robot coordination, fleet optimization, and logistics production systems

AI Research Engineer

Jan 2019 – Dec 2020

[BMW Group Innovation Lab](#), Munich

Led R&D in Computer Vision, Language Models, and Reinforcement Learning for Robotics and Quality Assurance within BMW Group factories

Lead Data Scientist — Founding Member

Jul 2016 – Jun 2018

[NIUZ](#) (AI Joumhouriya spinoff), Beirut

Led team building real-time news analysis platform from 30,000+ sources with AI-based event and incident detection; sold to media outlets and governments

Research Engineer

Jul 2016 – Jun 2018

[Antonine University TICKET Lab](#), Beirut (concurrent with NIUZ)

Led Computer Vision research projects and BMW Group collaboration initiatives

Data Scientist (Contract)

Oct – Dec 2018

[Byblos Bank Group](#), Beirut

Built ML-based consumer banking behavior analysis system for marketing insights and branch digitization

RESEARCH

A Comprehensive Review on Leveraging Machine Learning for Multi-Agent Path Finding

IEEE Access, vol. 12, pp. 57390–57409, 2024

J-M. Alkazzi and K. Okumura

MAPFASTER: A Faster and Simpler Take on Multi-Agent Path Finding Algorithm Selection

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2022

J-M. Alkazzi, A. Rizk, M. Salomon, and A. Makhoul

TALKS

NVIDIA GTC: 2020 (x2), 2021, 2022 **LogiMAT:** 2023, 2024 (panel) **Zukunftskongress Logistik:** 2024

LIFE Lebanon: 2024 **PyData London:** 2022 **IROS:** 2022

AREAS OF EXPERTISE

Multi-Robot Coordination · Industrial AI Systems
Technical Strategy · Applied AI Leadership

LANGUAGES

Arabic (Native), English (Fluent), French (Fluent), German (Basic)