



Personal Website

Pierrick BOUGAULT

PhD Candidate

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French and Chinese driver's licenses

EDUCATION

Tsinghua University , CN, Ph.D. Engineering and Management Science	Since 2024
Tsinghua University , CN, M.Sc. Industrial Engineering	2022 - 2024
IMT Nord Europe , FR, M.Eng. General Engineering	2018 - 2024
IMF & Renmin University , CN, Summer School, International Finance	July 2025
INSEAD , FR, Summer School, Innovation and Leadership	July 2023

PUBLICATIONS

Bougault, Pierrick, et al. **"Industrial Applications of AI in Aircraft Manufacturing: A PRISMA Systematic Literature Review."** Production Engineering Archives, vol. 32, no. 1, Quality and Production Managers Association, 2026, pp. 48-78. <https://doi.org/10.30657/pea.2026.32.5>.

Bougault, P., Ma, L., Guey, W. (2026). **Designing Human-LLM Systems: A Review of Current State, Limitations, and Guidelines to Better Interaction.** HCII 2026. Lecture Notes in Computer Science, vol 16720. Springer, Cham. https://doi.org/10.1007/978-3-032-29842-3_20

Guey, W... Bougault, P... & Gomes, J. O. (2026). **BiasLab: A multilingual dual-framing framework for LLM bias measurement, applied to workplace and HR contexts.** *WORK: A Journal of Prevention, Assessment & Rehabilitation*. <https://doi.org/10.1177/10519815261469150>

Don't Lose the Human Touch: A Human-Centric Tool for Knowledge-Retaining Fault Diagnosis in Lean Manufacturing Meetings, Pierrick BOUGAULT, Liang MA, (Ongoing work)

INDUSTRY EXPERIENCE

AIRBUS *September to November 2023*
Beijing, CN

Engineering Intern at AOS (Airbus Operating System)

- Support for the implementation of lean tools and methodologies.
- IT support and data analysis.

RENAULT ELECTRICITY *April to July 2022*
Douai, FR

Process Reliability Intern on the Assembly Line

- 85% reduction in line downtime caused by AGVs.
- €400k in savings for the plant.
- Additional task: Redefining autonomous maintenance standards for the workshop.

FANUC *May to July 2021*
Marnaz, FR

Industrial Robotics Intern

- Development of a robotic cell promoting the RMI (Remote Motion Interface) option.

SKILLS

Languages: Native in French, Fluent in English and Spanish, Intermediate in Chinese

Engineering & Management: Human Factors, Lean Management, Industrial Engineering, Robotics

Programming: Python, R, Matlab & Simulink, C, Java

Computer Science: Artificial Intelligence, Large Language Model, Robotics, Prompt Engineering, Agentic AI

EXTRACURRICULAR ACTIVITIES

Sport: CrossFit & Soccer (Current), Judo (14 years)

Musician: Guitar, Bass, Drums

Associations: Vice President of the Franco-Chinese Intercultural Exchange Association (Tsinghua)