

**Julien Leblanc**  
**19/01/2000**  
**+33627794835 – [julien.lbc19@gmail.com](mailto:julien.lbc19@gmail.com)**  
**Stationsstrasse 33, 8003 Zurich**



**AI-driven and data-oriented Electrical Engineer with a strong analytical thinking and expertise in technology integration. Enthusiastic team player with excellent communication skills**

## **PROFESSIONAL EXPERIENCE AND PROJECTS**

- |   |                  |
|---|------------------|
| <b>Co-Director of the Digital Transition Department, Fayat Energie Services</b>   | <b>2024-2025</b> |
| Popularized and outreached AI to the Company's Directors  |                  |
| <ul style="list-style-type: none"><li>• Advised on Machine and Deep Learning capabilities, requirements, risks and limitations</li><li>• Managed and orchestrated a three-developer team</li><li>• Centralized the company-wide data and facilitated data accessibility with Snowflake</li></ul>  |                  |
| <b>IS Project Manager, Fayat Energie Services</b>   |                  |
| <ul style="list-style-type: none"><li>• Developed an AI-based (BERT) model leveraging NLP to automate legal document creation process: Analysis and risk classification of Special Administrative Clauses (SAC) for the Building and Public Work Sector</li><li>• Implemented a user-friendly interface for the Legal Advice Department using PHP and JavaScript</li><li>• Validated and Measured Performance with designed metrics and jurists</li><li>• Was patented for use by the company</li></ul> |                  |
| <b>Master Thesis, Cranfield University &amp; Spirent</b>  | <b>2023</b>      |
| <ul style="list-style-type: none"><li>• Designed from scratch a transformer-based model to provide the optimized positioning solution navigation using sensor fusion</li><li>• Published at IAAA conference</li></ul>   |                  |
| <b>Research assistant, GEEPS - CentraleSupélec - Stellantis</b>   | <b>2022</b>      |
| <ul style="list-style-type: none"><li>• Modeled motorway traffic with existing charging station infrastructures to improve long-distance journeys for electric cars</li><li>• Modeled the consumption of electric cars</li></ul>  |                  |
| <b>Trainee operator and technician, Satelec</b>   | <b>2021</b>      |
| <ul style="list-style-type: none"><li>• Tested circuits and outlets of socket, PT1G and lighting devices</li><li>• Programmed and set up the DALI automates for luminaires and DARDO automates for Emergency Block; Installed electrical equipment for recording studios</li></ul>  |                  |

## **EDUCATION**

- |   |                    |
|---|--------------------|
| <b>IBM Machine Learning Professional Certificate</b>  | <b>2025</b>        |
| Supervised/Unsupervised Machine Learning, Deep Learning, Reinforcement Learning, Machine Learning Capstone  |                    |
| <b>MSc in Autonomous Vehicle and Dynamics Control, Cranfield University, UK</b>   | <b>2022 -2023</b>  |
| <ul style="list-style-type: none"><li>• Control System, Computer Science, Machine and Deep Learning, Electrical Engineering</li></ul>   |                    |
| <b>French engineering degree in Mechanical, Electrical and Energy Efficiency Engineering, ESTP, Paris</b>   | <b>2020 - 2023</b> |
| <ul style="list-style-type: none"><li>• Equivalent to an MSc, ESTP is a leading French engineering school in civilian engineering. The degree has a strong background in electrical engineering, control systems, energy efficiency and civilian engineering.</li></ul> |                    |
| <b>CPGE PTSI/PT, Raspail High School, Paris, France</b>   | <b>2018 – 2020</b> |
| <ul style="list-style-type: none"><li>• Admitted to ESTP after a two-year preparation for competitive national engineering school entrance examinations at Raspail School, in math and science</li></ul>  |                    |
| <b>Baccalauréat S, Buffon High School, Paris, France</b>  | <b>2018</b>        |
| <ul style="list-style-type: none"><li>• Baccalauréat S – French equivalent of UK – GCE A'Levels in Math and Science</li></ul>   |                    |

## **ADDITIONAL SKILLS**

**French:** Native language, **English:** Fluent Level C1 (IELTS Certification), **German:** Intermediate B2, **Italian:** Basic A1

Python, Torch, TensorFlow, Matlab, C++, PHP and JavaScript, Snowflake, Microsoft Azure, SolidWorks, Psim, Revit  
Power Point, Excel, Latex, Power BI, Power Automate

## **Hobbies and interests:**

- Fitness and Basketball: Played at NM2 (4th French Division)
- Sailing Instructor since 2016: Preparing and repairing boat equipment, organized and supervised group sailing sessions up to 10 people