

# JULIEN GODFROY

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## PERSONAL STATEMENT

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A dynamic and innovative French student, currently excelling in a dual-degree program at Cranfield University, focusing on MSc Computational and Software Techniques in Engineering with a specialisation in Computational Intelligence for Data Analytics. Boasting robust analytical skills and a profound interest in AI, Data Engineering, and Machine Learning, complemented by academic excellence and a passion for technology-driven solutions. Eager to apply a deep understanding of data analytics and computational intelligence in a practical, real-world setting. Fluent in both French and English, committed to making a significant impact in the technology sector.

## EDUCATION

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### MSc Computational Intelligence for Data Analytics, Cranfield University, UK      September 2023 - September 2024

- **Modules:** Artificial Intelligence, Machine Learning and Big Data, High Performance, Technical Computing, Cloud Computing, Small-Scale Parallel Programming, High Performance Computing, Advanced Java & Python, IoT.
- **Group Project** (not started yet): Engaged as an AI Engineer in a 12-week collaborative endeavor, working alongside a team of specialists to devise and engineer a creative software solution to a realistic problem designed to simulate a professional environment.
- **Thesis** (not started yet): considering leveraging the academic insights to address a challenge sponsored by an industry partner, ensuring that the research is both practical and impactful.

### MSc Data Intelligence, ISEP, Paris, FR

September 2019 - September 2024

- **Modules:** Artificial Intelligence, Machine Learning, Big Data & databases, Tools for BI, Data Analysis, Semantic Web and knowledge management, Digital Transformation Consulting, Management of IT.
- **Group Projects:** Creation of a machine learning model capable of identifying the race of a ladybird from a simple image with an accuracy of 97%, Creation of a pipeline, Analysis of the Youtube recommendation algorithm from scrapped data stored on Elastic, transformed with dbt, scheduled with Airflow, Creation of a sales proposal to support a major group in its migration to the Cloud, Data analysis of an airline satisfaction questionnaire, to understand customer satisfaction invoices.

### International Academic Semester, Czech Technical University, Prague

September 2020 - February 2021

- **Modules:** Network & Operating System, Digital Engineering, Discrete Mathematics and Graphs, Programming, Environmental Science, Business Economics.
- **Projects:** Creation a custom Linux image with advanced monitoring features to monitor memory management, Creation of 5 card games in Java (blackjack, memory, etc.), Drawn up a complete business plan for a solution capable of optimising the use of empty offices and making them profitable.

## PROFESSIONAL EXPERIENCE

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### Siemens Digital Industries, Paris, Data Engineer Intern

July 2022 - December 2022

Innovation and technology leader in industrial automation and digitalisation

- Led the migration of a complex multidimensional Essbase calculation to the Cloud, reducing processing time by 300% (Snowflake, dbt, Python).
- Creation of a prototype NLP-based machine learning model to extract information from a request for a quotation in non-formalised emails, with an accuracy of 93%.
- Played a major role in migrating the on premise datawarehouse to a Snowflake Cloud datawarehouse, creating more than 100 tables.
- Streamlined and automated the process of updating 4 product databases, enhancing operational efficiency and accuracy.
- Engineered and deployed robust data transformation pipelines using Knime for efficient ETL processes.

**National Confederation of Junior-Enterprises, Paris, Auditor****January 2023 - Present**

National organisation that oversees all French Junior-Enterprise

- Conducted comprehensive full-day audits of Junior-Enterprise operations, ensuring strict adherence to legal and regulatory requirements.
- Evaluated and optimised key processes including strategy, commercial activity, human resources management, and legal compliance.
- Offered strategic advice and process optimisation recommendations to enhance the overall efficiency and effectiveness of the Junior-Enterprise.

**Junior ISEP, Paris, Quality & Audit Manager****July 2022 - July 2023**

Student-run consulting firm (called Junior-Enterprise), created in 1984, that provides professional services to clients (WebApp, Data analysis, Software). ISO 9001 certified, 200k€ turnover, 40 members, 70 projects each year.

- Orchestrated the management of a 40-member board, focusing on business development strategies that propelled sales to achieve a remarkable 200k€ milestone.
- Spearheaded KPI optimisation initiatives, driving efficiency and performance improvements.
- Engineered and implemented data monitoring tools, enhancing quality control processes.
- Ensured the renewal of ISO 9001 standard accreditation issued by AFNOR, demonstrating unwavering commitment to quality standards, resulting in the pass of the audit with 0 nonconformity.
- Conducted rigorous and ongoing audits of 50 studies and processes, ensuring adherence to established quality benchmarks.

**Junior ISEP, Paris, IT Project Manager****October 2021 - July 2022**

- Orchestrated end-to-end project lifecycles, from contract initiation to archival, ensuring seamless execution and stakeholders' satisfaction.
- Managing a team of a team of 7 IT consultants for the development of a B2B platform to put pharmacists in touch with laboratories for a 1-year study costing €15,000, following the Scrum methodology.
- Carried out sales development actions through rigorous qualification of prospects and a proactive telephone approach (50 calls a week).
- Wrote dozens of compelling sales proposals, contracts and specifications, with a keen eye for detail and customer-focused solutions, resulting in 5 contracts worth a total of €30,000.

**Junior ISEP, Paris, IT Consultant****January 2020 - September 2021**

- Orchestrated the development and launch of a dynamic website for an esteemed architecture firm, showcasing portfolio and enhancing online presence.
- Initiated 10 comprehensive interviews with key personnel at Paris City Hall, responsible for the Information System, to gain profound insights into operational workflows and technological requirements.

**Sleeq Media, Paris, Low-Code Web Developer Intern****June 2021 - August 2021**

Leading French TikTok agency for brand advertising campaigns

- Spearheaded the prototyping phase for a dynamic web platform, "[Qeels.io](https://qeels.io)," dedicated to hosting TikTok video contests aimed at boosting artists' music titles.
- Successfully brought the platform to fruition, resulting in the promotion of one track with an impressive 250+ contest entries and an astounding 7 million views. Since, the start-up is incubated in the most selective French incubator.
- Defined comprehensive platform specifications and selected the optimal technology stack for seamless development.

**SKILLS, INTERESTS AND EXTRACURRICULAR ACTIVITIES**

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- **Languages:** English (Professional), French (Native), Spanish (Basics).
- **Tools:** Snowflake, dbt, Airflow, Elastic, git, AWS, Spark, Docker, HPC, Kafka.
- **Dev:** Python, Java, C++, PHP, JS, React.
- **AI & Machine Learning:** NLP, Vision Computing, TensorFlow, SpiCy, OpenCV.
- **Certifications:** Scrum Master, IELTS 7, dbt, Snowflake, Driving licence.
- **Interests:** International travel, Competitive Tennis, Half-Marathon runner, Freedom of motorcycling, Computing.