

PIERRE GRAEF

Data Engineer / Analyst

Strasbourg, Alsace, France | 19/09/2001

☎ (+33) 7 61 91 16 65 | ✉ graef.pierre@gmail.com | 🌐 www.pierregraef.com

PROFESSIONAL EXPERIENCE

Data Engineer CeA, Strasbourg, France	2024 - Present
<ul style="list-style-type: none">Developed and maintained scalable data pipelines using Talend, Python, Java, and SQL/NoSQLDesigned and managed BI models in Power BISupported financial reporting and KPI monitoring through automated BI dashboardsContributed to risk and performance data quality checks to ensure reliable reporting	
Internship: Data Projects for Specialty Reinsurance Solutions Munich Re, Munich, Germany	2024
<ul style="list-style-type: none">Built actuarial indexing tool in R to analyze reinsurance exposure scenariosDelivered insights for financial risk assessment, contributing to portfolio decision-makingIndependent documentation of the tool and its code, internal cloud deploymentCollaborated with international actuarial and risk modelling teams	

EDUCATION

Erasmus Master Data Mälardalen University, Västerås, Sweden	2023 – 2024
<ul style="list-style-type: none">Risk analytics, portfolio optimization, and financial modelling with PythonMulticultural experience in an international setting	
Master in Applied Mathematics – Mathematical Engineering & Data Science University of Haute-Alsace, France	2022 – 2024
<ul style="list-style-type: none">Probability, statistics, optimizationPython, SQL, R, Java	
Dual Bachelor's Degree in Mathematics & Quantitative Economics University of Strasbourg, France	2019 – 2022

PROJECTS & PORTFOLIO

Portfolio www.pierregraef.com (Market Strategy Analysis, Customer Personality, Chatbot IA, etc.)	
Marine Reinsurance Actuarial Tool	<ul style="list-style-type: none">Automated the ingestion, cleaning, and analysis of global maritime insurance data to support risk scenario modelling and pricing strategiesReduced data processing time from 5 days to half a day, approx. 90% improvement
CRM & Sales Funnel Analysis	<ul style="list-style-type: none">User behavior analysis and segmentation using Python to optimize conversion and customer acquisition

TECHNICAL SKILLS

Programming & Analytics: Python (Pandas, NumPy, Scikit-learn), R (dplyr, ggplot2), SQL, NoSQL, DAX (Power BI)
Data Architecture & Integration: Design and implementation of data pipelines (JSON, XML, Parquet, CSV), REST/SOAP APIs, data quality and validation for risk & financial reporting
ETL & Automation: Talend, Python scripting, SQL stored procedures, Power Query, workflow orchestration for reporting automation
Business Intelligence & Visualization: Power BI (dashboards, DAX), familiar with RShiny dashboards for interactive risk reporting
Version Control & Collaboration: Git, GitHub, Bash, Linux, CI/CD practices, Agile & Scrum environments
Project Management: Technical documentation, architecture validation, cross-functional collaboration

LANGUAGES

French: Native | **English:** Fluent (TOEIC C1), written and spoken | **German:** Limited | **Italian:** Limited

VOLUNTEERING & INTERESTS

Co-founder & Treasurer - "Elsass Raiders" Humanitary Association Created a non-profit to participate in the EuroP'Raid humanitarian rally. Delivered school supplies to an orphanage in Eastern Europe Experience in fundraising, sponsor acquisition, and project presentation.	2022 – Present
Handball Club Eckbolsheim	2010 – 2023

REFERENCES

Romain Rossier , Munich Re, Head of Solutions Rossier@munichre.com	www.linkedin.com/in/romainrossier/
--	---