

EDUCATION	PhD Student in Biostatistics and Artificial Intelligence	Strasbourg, France
	<i>Université de Strasbourg, Institut de Recherche Mathématique Avancée</i>	2025 - 2028
	- Thesis in collaboration with the laboratoire B2A (CIFRE) : <i>Mathematical Contributions to the Automation of Karyotyping and Chromosomal Anomaly Detection</i>, supervised by Etienne Birmele and Augustin Chevallier - Development of a karyotyping and cytogenetic diagnosis support tool	
	Master's Degree in Statistics	Strasbourg, France
	<i>Université de Strasbourg</i>	2022 - 2024
	- Graduated with honors - Advanced training in SQL, Python, R, and SAS	
	Bachelor's Degree in Mathematics	Strasbourg, France
	<i>Université de Strasbourg</i>	2019 - 2022
	- Graduated with honors - Programming skills in Python, R, and C++	
PROFESSIONAL EXPERIENCE	PhD Student CIFRE - Data Scientist	Marlenheim, France
	<i>Laboratoire B2A</i>	2025 - 2028
	- Development of an automatic detection model for cytogenetic anomalies - Use of advanced machine learning and statistical methods - Collaboration with biologists to refine models	
	Fixed-Term Data Scientist Contract	Marlenheim, France
	<i>Laboratoire B2A</i>	2024.09 - 2024.12
	- Improvement of the model developed during the internship - Statistical queries	
	Data Scientist Intern	Vendenheim, France
	<i>Laboratoire B2A</i>	2024.02 - 2024.07
	- Expert level in R - Discovered and improved machine learning (XGBoost) - Developed a classification model for protein electrophoresis	
	Designed and implemented an automated classification model for serum protein electrophoresis at the B2A laboratory, using the XGBoost algorithm. Reduced the analysis time for biologists by automating the classification of biomedical data. The model was developed and optimized using comparative data from Harvard.	
	Data Analyst Intern	Strasbourg, France
	<i>Assurances du Crédit Mutuel</i>	2023.04 - 2023.07
	- Customer segmentation - Data extraction and correction via SAS - Data analysis to provide statistics/KPIs	
	Statistical analysis of a customer satisfaction barometer using logistic regression and tests on samples. Data processing via SAS and Excel to optimize marketing strategies.	
PUBLICATIONS	Mazuir A., Ricotier G., Filhine-Tresarrieu P. (2026). <i>Development and Validation of a Protein Electrophoresis Classification Algorithm: Tabular Data-Based Alternative</i>. JMIR Formative Research, Vol. 10, e83124, 28 January 2026. DOI: 10.2196/83124	
SKILLS	Languages: French, English (B2), German (A2), Spanish (A2).	
	Programming: Python, R, C++, MySQL, SAS, L ^A T _E X.	