

Raphaël Reynouard

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AI Researcher | Machine Learning specialist | PhD in Computer Science

SUMMARY

Data Scientist and PhD in Computer Science with experience spanning academic research, applied R&D, and startup environments, developing machine learning solutions from research concepts to real-world applications. Expertise in machine learning, generative AI, optimisation, and data-driven modelling, with hands-on experience leading AI initiatives at Kleidrobe, delivering an automated scheduling optimisation solution for Les Bains de Saillon, and developing applied AI solutions in competitive settings. Winner of the 2026 Idiap Create Challenge with CostumeNet AI.

SKILLS

AI Strategy & Delivery | Machine Learning & Statistical Modelling | Deep Learning (CNNs, Transformers, Autoencoders) | Generative AI (Diffusion, GANs) Optimisation & Predictive Modelling | Model Evaluation & Monitoring
Python, SQL | PyTorch (CUDA programming), Scikit-learn | Cloud deployment with Docker, Git, CI/CD | Data pipelines |
AI project ownership | Stakeholder collaboration | Technical mentoring | Cross-functional delivery

EXPERIENCE

Research Associate - University of Luxembourg Since October 2025, Luxembourg

- Design and develop a novel Data Augmentation method for full image segmentation
- Lead its application for Spatial exploration tasks

AI / Data Science Consultant – Les Bains de Saillon November – February 2025, Switzerland

- Successfully develop and deployed a workforce automatic scheduling platform for a four-star hospitality complex
- Gathered requirements, negotiated project deliverables, and managed stakeholder communication
- Trained end users and provide post-deployment support

Founding CTO – Kleidrobe January – August 2025, Germany

- Sole technical contributor responsible for AI and platform development
- Employed computer vision models and 3D modelling for image-based body measurement estimation
- Built data pipelines for garment pattern digitalisation

Postdoctoral Researcher – Eawag January – September 2024, Switzerland

- Developed generative AI and ML methods for scientific modelling
- Applied deep learning for parameter estimation and data-driven modelling

PhD Researcher – Reykjavik University 2020 – 2023, Iceland

- Developed ML methods for stochastic models and uncertainty-aware systems
- Created Jajapy, an open-source Python ML framework with testing and documentation practices

EDUCATION

PhD in Computer Science – Reykjavik University November 2023

Msc in Computer Science - Université Libre de Bruxelles June 2020

Bsc in Computer Science - Université Libre de Bruxelles June 2018

AWARDS, LEADERSHIP & MENTORING

Winner of the Idiap Create Challenge 2026 August 2026, Switzerland

Winner of the Kaggle Playground 5.07 Competition July 2025, Worldwide

Bachelor Thesis Supervisor – Aalborg University 2024 – 2025, Denmark

Bachelor Thesis Supervisor – Reykjavik University 2022 – 2023, Iceland

Scout Group Leader 2016 – 2020, Belgium

Mathematics Tutoring 2016 – 2025

English (*full professional proficiency*) | French (*native*) | German (*basics*) | Icelandic (*basics*)