Antoine SIMON

Senior project manager at Owkin in the AI biotech sector
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SUMMARY

Antoine is a highly qualified and experienced project manager with an engineering background. He has a proven track record in managing complex projects, as evidenced by his work in the MELLODDY consortium and in biotech projects with leading pharmaceutical companies. Currently, Antoine is responsible for leading projects that aim to resolve the most difficult medical challenges ,such as the development of biomarkers and the optimisation of clinical trials, by applying advanced machine learning techniques.

EXPERIENCE

Senior Project Manager   [2022 - Present]   (Paris)   **OWKIN**

- Led and managed complex projects with top pharmaceutical companies from conception to completion
- Worked closely with cross-functional teams to define project scope and objectives, developing detailed project plans, managed project resources, and ensuring that projects were delivered on time, within budget, and to the highest quality standards.
- Managed relationships with key stakeholders, including clients, vendors, and team members
- Ensured that all project-related communication was clear, timely, and accurate.
- Identified and mitigated risks, and made informed decisions about project priorities and progress.
- Contributed to the development and continuous improvement of project management processes and tools.

Operations Manager   [2020 - 2022]   (Paris)   **OWKIN**

- Managed customer services, including handling inquiries and complaints on software products, and working with cross-functional teams to resolve issues and improve the customer experience
- Coordinated deployment and maintenance operations of AI and federated learning products
- Drove operational excellence initiatives across the company, including implementing process improvements and identifying and implementing best practices

Product Manager   [2018 - 2020]   (Paris)   **PLUME LABS**

- Created product strategy based on user insights and data analysis, including conducting market research and working with cross-functional teams to identify opportunities for new products and features
- Defined and executed product roadmaps from ideation to launch, including developing detailed product plans and coordinating with design, software, data, manufacturing, marketing, and customer support teams
- Implemented Agile methodologies, including conducting daily stand-ups, maintaining product backlogs, and participating in sprint planning and retrospectives
- Defined and analysed metrics that informed the success of products, including tracking key performance indicators and using data to make informed decisions about product direction.

System Engineer   [2015 - 2018]   (Paris)   **PLUME LABS**

- Developed and commercialised an IoT product from scratch designing system architecture and individual parts, and coordinating with cross-functional teams to bring the product to market
- Automated data processing, analysis, and visualisation in Python, including developing scripts and algorithms to process and analyse data from sensors and other sources
- Engineered an AI-powered miniaturised electronic sensor, including designing and prototyping the hardware and software components and testing the sensor under various conditions
- Set up the industrialization process in a factory abroad, including coordinating with the factory to ensure that production processes were efficient and in line with quality standards

Operations Engineer   [2015 – 2015]   (Marseille)   **EXXONMOBIL**
Operations Engineer Intern   [2014 – 2014]   (Buenos Aires)   **TOTAL ENERGIES**

PUBLICATIONS

Ogier du Terrail, J., Leopold, A., Joly, C. *et al.* (2023) 'Federated learning for predicting histological response to neoadjuvant chemotherapy in triple-negative breast cancer'. Nature Medicine.
https://doi.org/10.1038/s41591-022-02155-w

Oldenhof, M. *et al.* (2022) 'Industry-Scale Orchestrated Federated Learning for Drug Discovery'. arXiv.
https://doi.org/10.48550/arXiv.2210.08871

HONORS & AWARDS

World Changing Ideas Awards: Health Honourable Mentions	[2020]	**FAST COMPANY**
Product Design Award Winner	[2019]	**RED DOT**
Top 10 World's Most Innovative Company: Consumer Electronics	[2019]	**FAST COMPANY**
CES Innovation Award: : Honoree	[2017]	**CES**

CERTIFICATIONS

Cancer Genomics and Precision Oncology	[2022]	**HARVARD MEDICAL SCHOOL**
Introduction to Genomic Technologies	[2021]	**JOHN HOPKINS UNIVERSITY**
Game Theory	[2019]	**STANFORD UNIVERSITY**
Deep Learning Specialisation	[2018]	**DEEPLEARNING.AI**
Neural Networks for Machine Learning	[2017]	**UNIVERSITY OF TORONTO**
Machine Learning	[2016]	**STANFORD UNIVERSITY**

EDUCATION

M.S. Industrial Engineering   [2011 - 2014]   (Angers)   **ARTS ET METIERS PARISTECH**
Organisational Management, Lean Management, Product engineering, Industrial Optimisation, Manufacturing

Study Abroad Program   [2013 - 2014]   (Buenos Aires)   **UNIVERSITY OF BUENOS AIRES**
Systems Engineering

FR "Classes Préparatoires"   [2009 - 2011]   (Nantes)   **LYCEE G. CLEMENCEAU**
Advanced Mathematics and Theoretical Physics (PCSI,PSI*)

LANGUAGES

English (Full proficiency) • Spanish (Full proficiency) • French (Native speaker)

SKILLS

Project Management • Cross-functional Team Leadership • Python • Machine Learning • AI •
Operations Management • Federated Learning • Product Management • Cardiology • Oncology