

KAMILA KANATBAY

Löhrstraße 54, 56179 Vallendar, Germany

(+49) 157 546 60920 – kamilakanat@gmail.com – [LinkedIn](#) – [GitHub](#)



EDUCATION

HAW Hamburg, P.Porto, Université de Lille

Germany, Portugal, France

Master's degree in medical technology and healthcare business

2023-2025

- Related courses: Regulatory Affairs, Marketing for Innovative Medical Technology, Modelling Medical systems, Simulation and Optimization, Advanced Control Systems.
- Awards: Erasmus Mundus Joint Masters (EMJM) Scholarship; Université Franco-Allemende Grant.

Nazarbayev University

Astana, Kazakhstan

Bachelor's degree in Biological Science

2019 - 2023

- Research work in development of nanoparticle-based drug delivery systems.
- Conducting research and experiments in molecular biology and microbiology laboratories.

PROFESSIONAL EXPERIENCE

Fighters Apprentice

Paris, France

STATION F

Sep 2025 – Present

- Rapid idea testing and iteration to develop [mila mindcare](#), an AI-therapy platform for people with diabetes.

Health Patch Technology Intern

Neuwied, Germany

Lohmann GmbH & Co. KG

Feb 2025 – Oct 2025

- Developing a digital twin decision-support tool to automate and optimize manufacturing processes for health patch and wearable technologies.
- Implementing AI-driven logic to enhance production workflow efficiency, perform scenario-based analyses, and improve overall accuracy of cost and waste predictions.

Strategy& Operations Intern

Porto, Portugal

iLoF- Intelligent Lab on Fibers

Apr 2024 – Aug 2024

- Collaborated with senior management on strategic planning and operational improvements, focusing on product development management, PMO activities, market research, regulatory compliance.
- Led the digital transformation of task management systems.

IR& Export Department Intern

Astana, Kazakhstan

Astana Hub

Feb 2022 - Mar 2022

- Managed communication with 15+ international clients, fostering effective stakeholder relationships.

PROJECTS

- **Medical Triage Using Genetic Algorithm:** Developed an AI-driven medical triage system using genetic algorithms in Unity to optimize emergency patient assessments.
- **MPC Controller for HIV Treatment:** Designed an MPC system with MATLAB and Simulink to refine HIV treatment protocols.
- **Lung-on-Chip:** Study on the development of biomaterial integration for improved drug testing.
- **Luma-Wearable Microfluidic Device for Allergy Management:** Developed a de novo application and led the product launch.
- **Sofia Flow:** Collaborated with Terumo Neuro on the development and launch of an advanced stent retriever for neurovascular interventions.

LANGUAGES

•Kazakh-native •Russian-C2 •English-C1 •French-A1

SKILLSET

- **Hard Skills:** Python, Matlab/Simulink, Ansys, C, C#, Unity, GenAI, agentic AI, vibe-coding (cursor)
- **Project Management :** SCRUM, Agile Methodologies
- **Regulatory Knowledge:** US FDA Standards, MDR, ISO 13485.

ADDITIONAL INFORMATION

- **Volunteer Work:** First Psychological Aid to victims of domestic violence and sexual harassment. Educator, providing tailored learning support to neurodivergent children.