

Dimitri LOZEVE

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WORK EXPERIENCE

2020–present **Sysnav: Research Engineer and Project Manager**

- Development and validation of [clinical endpoints](#) for neuromuscular disease diagnosis using [inertial sensors](#)
- Work with physicians and pharmaceutical companies
- Management of a team of 6 research engineers on algorithm development, modelling, and statistical analysis
- Led the development of a platform to manage, process, and display large volumes of patients data in the context of clinical trials

2018–2020 **Mindsay: R&D Data Scientist and Engineering Manager**

- [Natural Language Processing](#) and [Reinforcement Learning](#) for conversational agents
- Management of the R&D team (3 data scientists) and of all research projects
- Entirely responsible with the CTO for the [patents](#) strategy in Europe and abroad
- Attended a 6-day training programme for young managers (SpineUp by Ignition Program)

Mar.–Aug. 2017 **Sysnav: Real-time geolocation algorithm on an embedded device**

- Modelling of human gait and statistical methods for trajectory reconstruction
- Step detection using artificial intelligence on inertial sensors data
- *Award: [Best Research Internship 2017](#), from École polytechnique*

Jun.–Aug. 2016 **Natixis London Branch, Global Infrastructure and Projects: Intern Analyst**

- Origination and execution of [project finance](#) transactions
- Long-term projections of energy and financial time series data

2014–2015 **French Engineering Corps: Army officer**

Operation Sangaris: Military intervention in the Central African Republic

- [Instructor](#) for new recruits for 4 months (around 30 soldiers)
- Participation in an [intelligence gathering](#) mission in the Northeastern part of the country
- *French military decorations: Overseas Medal, National Defence Medal*

EDUCATION

2017–2018 **University of Oxford: MSc in Statistical Science**

- Applied and computational statistics, statistical machine learning and statistical inference
- Master's thesis:** Topological Data Analysis of time-dependent networks
- With Prof. Heather Harrington, Prof. Mason Porter (UCLA), and Prof. Renaud Lambiotte
- Persistent homology for machine learning applications: vectorization and kernel methods
- Temporal partitioning of graphs (generative models and real-world social networks)

2014–2017 **École polytechnique**

- Majors in Applied Mathematics, Operations Research, Data Science, and Computer Science
- *Distinctions:* Outstanding Investment, Outstanding Leadership

Research project: [Community Detection in Social Networks](#)

- Joint work with the Microsoft-INRIA joint center, with Prof. Laurent Massoulié

Research project: [SERB X-CubeSat II nano-satellite](#) (payload design)

2012–2014 Lycée privé Sainte-Geneviève, Versailles: Preparatory classes to French *Grandes Écoles*

LANGUAGES & SKILLS

Languages *French:* mother tongue, *English:* fluent (C2/C1-level)

Computer skills *Languages:* Python, Julia, R, C, SQL, Haskell, Lisp

Sports *Fencing:* vice-president of the 2016 x-SYSTRA International Fencing Challenge; 29th in the 2016 sabre French Student Championships, *Scuba-diving:* CMAS ★ ★ ★, 150 dives

Interests Travel (Europe, Vietnam, Indonesia, Philippines, Mexico), Music (piano), Electronics, History