

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 geolocalization 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