Dimitri Lozeve

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Work experience

2020–present **Sysnav: Engineering Manager, Healthcare Algorithms Development**
— Development and validation of clinical outcome measures for neuromuscular diseases
— Work with physicians and pharmaceutical companies
— Management of a team of 9 research engineers and data scientists
— Algorithm development, modelling, statistical analysis, and distributed computing
— Project Manager for the development of a clinical trial management system to manage, process, and display large volumes of patient data

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