

Dimitri LOZEVE

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WORK EXPERIENCE

2023–present **Doctrine: Engineering Manager**

Reinventing the way legal professionals work by offering productivity tools that simplify the analysis and drafting of private legal documents.

2020–2023 **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

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

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)

LANGUAGES & SKILLS

Languages *French:* native speaker, *English:* fluent

Computer skills *Languages:* Python, R, Julia, C, SQL, Scheme, Rust, Haskell (see lozeve.com/projects)

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