

Xavier Lambein

Data Scientist/Engineer

1000 Bruxelles

Belgium

✉ xlambein@gmail.com

🌐 www.lambein.xyz

Licensed driver

he/him

Education

2016–2018 **M.Eng. Computer Science**, *Université catholique de Louvain*, Louvain-la-Neuve, Belgium, *summa cum laude* (87%).

Specialized in Artificial Intelligence and Data Science.

Relevant Coursework

- Machine Learning
- Algorithms for Optimization
- Image Processing & Computer Vision
- Data Mining
- Constraint Programming
- Matrix Theory

Masters Thesis

Title “Matrix Completion for Exoplanet Detection in High-contrast Imaging”

Supervisors Professors Pierre-Antoine Absil and Laurent Jacques

Description We conceived, implemented and assessed a new technique for direct detection of exoplanets based on angular differential imaging. The technique relies on data recovery methods, most notably low-rank matrix completion.

Work Experience

Mar 2019– **Data Scientist**, *FibriCheck*, Leuven, Belgium.

Aug–Sept 2018 **Research Assistant**, *Université catholique de Louvain*, Louvain-la-Neuve, Belgium.

Short-term research contract to continue the work on my master thesis. We have a paper coming.

Jun–Aug 2017 **Data Scientist Intern**, *Massachusetts Institute of Technology*, Cambridge, MA, USA.

Analysed large time-dependent social network data for the OpenBadges project at MIT Media Lab, under the supervision of Oren Lederman and Sandy Pentland.

Achievements

- Created a data processing pipeline, which is still used today by the research team
- Produced original visualization and high-level data structures that provided valuable insights

Languages

French **Native**

English **Fluent**

Computer Skills

General Linux, Bash, Git

Web JavaScript, HTML/CSS, D3.js

Programming Python, Rust, C, C++, Julia

Data Science SciPy, Jupyter, SQL

Personal Interests

Music I like to sing, and I play the guitar and the piano. I write and produce my own music.

Fiction Writing I love fiction in any format, and I write original stories in French and in English.

Science Comm. I like to explain things. On my website, I write blogposts about various STEM-related subjects.