



Sylvain Lichau

Talence

sylvain.lichau@u-bordeaux.fr

Skills

Optimization techniques



Integer Linear programming, continuous optimization, Dynamic programming, Flow algorithms, Constraint programming ...

Programming



Java, C, C++, Julia, Python, HTML, CSS

Mathematical modeling



Machine Learning



Datamining



Bayesian Statistics



Interests

Travels Drums Climbing

Languages

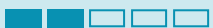
French



English



Spanish



Czech



Experience

Charles University

March 2022 - August 2022

Intern

Prague

Subject of the internship: models of fairness for critical distribution and for various logistics tasks and their implementation.

Atoptima

June 2019 - August 2019

Developer

Development, porting and maintenance of applications in optimization and operational research, implementation of Java, C and Julia in an industrial context.

Institut Mathématiques de Bordeaux

June 2018 - July 2018

Intern

Modeling of solutions to the Two-Echelon Capacited Vehicles Routing Problem.

Volunteering at the International Optimization Congress Mathematics (ISMP): reception, coordination, information, handling.

Institut de Cancérologie de l'Ouest

July 2018 - July 2018

Intern

Big data manipulation and study, to detect early sign of breast cancer.

Education

University of Bordeaux

October 2022 - Present

Mathematics

PhD

Subject:

Solving vehicle routing problems with drones in urban logistics: an approach based on exact and approximate optimization methods.

Focus on Branch-Cut-and-Price method

Vrije Universiteit Amsterdam

January 2020-July 2020

Computer Science

Erasmus

- Automata and Complexity
- Machine Learning
- Computational Intelligence
- Databases
- Software Project Management

University of Bordeaux

September 2020 - June 2022

Mathematics & computer Science

CMI Master's Degree

<https://uf-mi.u-bordeaux.fr/optim/>

CMI OPTIM