



# Mathilde Roblot


Data Scientist


Data science and urban planning graduated, looking for a meaningful role to find creative solutions to exciting problems and have a real-life impact. Experienced with 3+ years at making geospatial and other data useable, using machine learning algorithms to deliver insights and implement action-oriented solutions.


## DETAILS


 Helsinki, Finland

 (+358) 40 680 1523

 mathilderoblot4@gmail.com

 mathilde-robLOT

 24 ans

 Driving license

## SKILLS

### Interpersonal Skills

Analytical and critical thinking spirit

Communication and team player

Mathematical, analytical & quantitative skills

Proactive and organized

Interest in solving problems

### Computer/Data Analytics Skills

Python Pandas Scikit-learn

Tensorflow PostGIS pgAdmin

SQL Git PowerBI ArcGis

Microsoft Office AWS Spark

## LANGUAGES

**French**  
Mother tongue

**English**  
Fluent C1 - IELTS 7.0

**German**  
Intermediate Level B2

## INTERESTS

Running (6 half marathons)

Culinary food

Architecture

Itinerant trips

## WORK EXPERIENCE

### Data Scientist

nov 2021 - present

*Skenariolabs, Helsinki, Finland*

- Create real estate valuation and energy label models for multiple countries in a ESG-risks analytics approach
- Develop pipeline from data extraction to model deployment with Bitbucket and AWS
- Communicate analysis results and make recommendations to the team & clients

### Urban Data Scientist Intern

feb 2021 - aug 2021

*EP, Nantes, France*

- Identified & implemented opportunities for using data from multiple urban sources
- Built predictive models related to real estate and urban rules with ArcGIS
- Developed a new application for real estate prospecting using PostGIS and MapBox

### Research Intern

sep 2019 - feb 2020

*Polytechnique Montréal, Montréal, Canada*

- Understood & predicted carsharing membership in Montreal with a regression model using user's characteristics and urban planning modalities

## EDUCATION

### Master of Science In Data Science

2020 - 2021

*Université de Technologie de Compiègne, Compiègne, France*

**Subjects included :** Data mining - Machine et deep learning - Decision theory - Robust and stochastic optimization - Multi-criteria decision under uncertainties - In-depth mathematics

### Master's Degree in Urban Engineering

2016 - 2021

*Université de Technologie de Compiègne, Compiègne, France*

**Subjects included :** Technical management with social and legal dimensions of buildings - Town planning and development- Modeling and construction - Network optimization

**Minor :** International economics - micro- and macroeconomic, accounting, international organizations and business strategy

### Exchange semester in Master of Urban Spatial Planning

2018

*Technische Universität Dortmund, Dortmund, Germany*

## PUBLICATION

### Peer-Reviewed Journal

Roblot, M., Boisjoly, G., Francesco, C., & Martin, T. (2021). *Participation in Shared Mobility: An Analysis of the Influence of Walking and Public Transport Accessibility to Vehicles on Carsharing Membership in Montreal, Canada*. Transportation Research Record, 03611981211032221.

### Presentation

Roblot, M., Boisjoly, G., Francesco, C., & Martin, T. *Vehicles on Carsharing Membership in Montreal, Canada*. Poster presented at: TRB Annual Meeting; January 2021; Washington, United States

Roblot M. *Accessibilité à la mobilité partagée : une analyse des modalités d'urbanisme déterminant l'adhésion au service d'autopartage*. Poster presented at: RFTM; June 2021; Paris, France