



Luca Sforzin

MSc Mobility and Transport Engineering

Detail-oriented Mobility Engineer with one year of practical experience in transport planning and data analysis. Driven by data-driven decision-making, network optimization and quantitative modelling. I am seeking an entry-level role in transport planning or logistic solutions to apply my technical skills and design efficient and sustainable mobility outcomes.

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For more details about my experience, projects and academic work, please visit my personal website: lucasforzin.github.io

Education

MSc Mobility and Transport Engineering | Polytechnic of Milan | Milan-Italy, 2024 – 2026
Specialization: Transport planning | Mobility infrastructures and services | Logistic solutions

Bachelor's Degree in Industrial Engineering - Mechanical track | Università degli Studi di Trieste | Italy, 2020 – 2023
Thesis: "Electric mobility and new models of cities": investigated the relationship between electric mobility adoption and emerging urban development models, analysing how the shift towards EVs is reshaping city planning.

Technic High School Diploma | ITTS Vito Volterra | Majoring in robotics and electronics | Venice, Italy, 2020

Professional Experience

Associate Consultant Intern | PwC Italy | April 2026 – June 2026

Applied data-driven analysis to improve operational performance, developed models for resource allocations and supported decision-making through performance evaluation and cost-benefit analysis.

Mobility and Transport Engineer | NET Engineering (Milan, Italy) | September 2025 – March 2026

Territorial and urban analysis to support the design of new public transport service. Development of simulation models to assess the impact on the urban context. Use of GIS software, mobility data and Python script to analyze supply and demand.

Electrician | Elettro3 (Venice, Italy) | June 2020 -September 2020

Performed wiring of electrical switchboards and installations, maintenance and testing of power generation equipment; supported construction of civil installations including cable laying and photovoltaic panel mounting.

Software Engineer Intern | Cedacri International (Chisinau, Moldova) | May 2019 – June 2019

Awarded a competitive scholarship to complete an international internship, supporting the office manager in simulating and testing security software routines for banking applications.

Mechanical Engineer Intern | Enteco Srl (Venice, Italy) | May 2018-June 2018

Performed technical drafting tasks using CAD software and developed VBA macros for structural calculations and automated data export from AutoCAD to Excel.

Relevant academic experience

- **Network Analysis:** Evaluated efficiency and service coverage of urban public transport networks using GIS, R script and mobility data, with focus on the Venice system.
- **Demand Planning:** Assessed walking flows and intermodal connectivity around Rome major urban transport hubs
- **Network Design Optimization:** Developed and optimized an urban bus network from scratch in collaboration with a local transport operator, covering route planning and demand coverage.
- **Sustainability & Policy Analysis:** Analyzed emission reduction strategies and modal shift scenarios for regional transport systems, with application to the Lombardy region.

Skills

Programming: Python, R, MATLAB

Engineering Software: Microsoft Office Suite (Excel, Word, PowerPoint), Canva, AutoCAD, PTV Visum and QGIS

Languages

Italian - Native

English – C1 level certification, fluent, academic and professional working proficiency

German – A2 (basic proficiency)

Dutch – start learning