Matthew Robinson
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Profile

Analytical, goal-oriented, able to work under pressure and multitasking, driven, dynamic, reliable, precise, and punctual.
Dual citizenship: Italy and New Zealand.

Skills

- Methods to design transport systems: formulation of dimensional and performance specifications for system components in maritime, road, rail, and air transportation.
- Models for the mobility of people and goods, for transport supply on multi-modal networks, for demand/supply interaction and equilibrium calculation in maritime, road, rail, and air transportation.
- Design and implementation of transport systems (technical and economic aspects), transport and mobility plans on different levels in maritime, road, rail, and air transportation.
- On-line and off-line models for transport system operations and management in maritime, road, rail, and air transportation.
- Monitoring and ex-ante/ex-post assessment of mobility solutions from the technical, economic, and environmental point of view in maritime, road, rail, and air transportation
- Technology: Experience with MATLAB, LabView, Python, and Microsoft Office Suite.
- Languages: English and Italian mother tongue; Spanish (beginner).

Education

La Sapienza University - Current (Rome, Italy)
Second year student partaking a PhD in Infrastructures and Transport (Department of Civil, Constructional and Environmental Engineering). Winner (ranked first) of the three years La Sapienza University scholarship.

La Sapienza University - October 2022 (Rome, Italy) Final mark: 110/110.
Master's Degree in Transport Systems Engineering (Department of Civil, Constructional and Environmental Engineering). Study field: Urban and Regional Policy. Thesis: "Novel assessment of the environmental impacts of water management technologies at bus garages".

Tor Vergata University - June 2020 (Rome, Italy) Final mark: 102/110.
Bachelor's Degree in Engineering Sciences (Department of Industrial Engineering). Study field: Feedback Control Systems
Thesis: "Rehabilitation of patients with chronic heart failure: a remote web-based interface".

Canterbury University – 2017 (Christchurch, New Zealand)
Attended a semester in the Bachelor Engineering with Honours (completed: Fundamental of Engineering, Programming, Engineering Mathematics 2, also a course in Anthropology toward a Diploma in Global Humanitarian Engineering).

Engineering Experience

- Research assistant for LIFEH2OBus project (funded by European Commission).
- Course assistant: tutoring and lecturing for Air Transport students.
- Peer reviewed air transportation related articles.
- Participated on a project which regarded the increasing trend of average passenger weight and its complications.
- Presenter at the 23rd International Conference on Environmental and Electrical Engineering (EEEIC) and the 16th World Conference on Transport Research, co-author of research papers.

Tor Vergata University
Research Experience during thesis preparation: conception, design and development of a web-based interface using LabView.
Project: Web-shared HRV Analysis for Remote Rehabilitation Programs

Additional Experience

- (2019-2020) ALITUR (Associazione Laureati in Ingegneria di Tor Vergata Università di Roma) Students' Association: Training Unit team member.
- (2020- 2023) English tutoring to university students and intermediate school children.