

Dayana Bou Shakra

EXPERIENCE

Transport Researcher

Rome, Italy

Isfort S.p.A.

May 2021 – Ongoing

- Designed a new zoning model for a municipality in southern Italy.
- Created a new urban mobility plan based on SUMPS (sustainable urban mobility planning).
- Assisted in building a database for new geographic aggregation of the Italian territory according to local labor systems.
- Built a state-of-the-art national model that estimates the quantity of exported and imported goods on the level of local labor systems capable of finding railway offer gaps.

[Website](#)

Mobility Manager (Remote)

Rome, Italy

MOVESION s.r.l.

Jun 2018 – Jul 2019

- Established detailed research on the topic of smart working on both Italian and European levels.
- Developed a model that measures the costs and benefits of smart working on the employer, employee, and environmental levels.
- Designed a measuring system that ranks the employees according to their suitability to perform smart working.

[Website](#)

Traffic Engineer (Intern)

Rome, Italy

Roma Servizi per la Mobilità

Jun 2018 – July 2019

- Optimized and synchronized traffic signals at Viale Regina Margherita (Rome) giving priority to public transport.
- Achieved 20% reduction in delay time.
- Increased the green bandwidth duration by creating two separate levels of traffic flow.

[Website](#)

Civil Engineer (Intern)

Beirut, Lebanon

CMCCO

Jun 2015 – Oct 2015

- Designed a steel warehouse according to the American standards of steel construction (AISC).
- Created cost-effective design based on construction requirements.

[Website](#)

SKILLS

Competences

Professional Skills

- Trans CAD
- VISUM PTV
- Vissim PTV
- SPSS
- AutoCAD
- IDE CAD
- MATLAB
- Microsoft Office Suite

Soft Skills

- Leadership
- Team working
- Critical thinking
- Out-of-the-box problem solving
- Project management
- Research and development
- Presentation and communication

Spoken languages

Arabic (native), English (bilingual), Italian (intermediate, B1), French (basic, A1)

EDUCATION

Master's degree in Transport Systems Engineering

Rome, Italy

Sapienza University of Rome

Jan 2017 – Oct 2018

- Final grade: 110/110
- Coursework: transport networks and vehicles, transport modeling and planning, traffic engineering and ITS, railway engineering, maritime engineering, Safety and risk analysis, Freight transport and logistic, transport infrastructures, urban planning and policies, geolocation and navigation.
- Projects: Road safety of Rome's second district, public transport network lines of Viterbo, walkable city strategies in Stockholm.

[Thesis](#)

Bachelor's degree in Civil Engineering

Nicosia, Cyprus

Near East University of Cyprus

Sep 2012 – Jan 2016

- Final grade: 3.79/4 dean's honor list
- Coursework: structural analysis, foundations, design of steel structures, reinforced concrete, geology, soil mechanics, fluid mechanics, hydromechanics, water resources, materials science, materials of construction, strength of materials, surveying and engineering measurements, project management, advanced calculus, statistics.

SOCIETY MEMBERSHIPS AND SCHOLARSHIPS

Scholarships and grants	Lazio disco	2016-2019
	<i>Winner of Lazio Disco scholarship for 3 consecutive years.</i>	
Volunteer	Merit Scholarship	2012-2016
	<i>Winner of Merit based scholarship at Near East University (GPA above 3.5)</i>	
	Lebanese Red Cross	
	<i>First Aid department, Aley, Lebanon</i>	
	Lebanese Cultural Center	
	<i>Lebanese cultural center at Near East University, Nicosia, Cyprus.</i>	