Golman Rahmanifar

Nationality: Iranian   **Date of birth:** 12 Jul 1989   📞 **Phone number:** (+39) 3498489469

✉ **Email address:** golman.rahmanifar@uniroma1.it

📍 **Home:** Via del Tempio degli Arvali, 35A, 00148 ROMA (Italy)

WORK EXPERIENCE

Teaching Assistant in Traffic System Engineering
Sapienza University of Rome [1 Jan 2022 – Current]

City: Rome
Country: Italy

Assisted professors in teaching Traffic System Engineering courses, conducting lectures, and managing classroom activities.
Reviewed student assignments and provided constructive feedback, ensuring a strong understanding of course material.
Facilitated group discussions on topics including traffic flow theory, traffic signal system design.

Teaching Assistant in Transport Policy
Sapienza University of Rome [1 Feb 2023 – Current]

City: ROMA

Assisted professor in the development and delivery of lectures on Transport Policy.
Facilitated class discussions on topics such as public transport policy, urban transportation planning, and sustainable transportation.
Collaborated with professors to create course materials, including syllabi, homework assignments, and exams.
Assisted in guiding students in using transport planning software TransCAD.

Multi-Objective Optimization Internship
University of Jyväskylä [1 Jan 2021 – 1 Aug 2021]

City: Jyväskylä
Country: Finland

Implementing IBEA metho in DESDEO software (Open source software framework for interactive multiobjective optimization methods).
Implementing PBEA in DESDEO software .
Weeky presentation and give a summary of recent publication in Multi-Objective Optimization.

Assistant Researcher in distribution and production optimization
Smart and Sustainable Logistics Laboratory at Tecnológico de Monterrey [1 Jan 2021 – Current]

City: Mexico city
Country: Mexico

Heuristic approaches to address vehicle routing problem in the Iot-based waste management system.
An allocation-routing optimization model for integrated solid waste management.
A Dynamic Approach For Multi-Compartment Vehicle Routing Problem In Waste Management
A Two-Echelon Vehicle Routing Problem Considering Temporal Capacity For Synchronization In Waste Collection System
An Integrated Location And Routing Formulation For Cold Chain Logistics Network With Heterogeneous Customer Demand
A Three-Step Waste Management System By Designing A Sustainable Supply Chain And Dynamic Routing
Proposing A Locating-Routing Optimization Model For Two Echelon Electric Vehicle Routing Problem
A Meta Heuristic Approach For Multi-Period Dynamic Electric Vehicle Production Routing Problem
Designing A Multi-Period Dynamic Electric Vehicle Production-Routing Problem In A Supply Chain Considering Energy Consumption

Supply Chain Planning Supervisor
Solico Group-Food manufacturing company [1 Feb 2017 – 1 Sep 2019]

Country: Iran

Led the supply chain planning team in managing demand forecasting, inventory control, and production scheduling, ensuring operational efficiency and customer satisfaction.

Collaborated with cross-functional teams including sales, operations, and procurement to align demand forecast and supply planning, effectively meeting business targets.
Utilized key performance indicators (KPIs) and advanced planning systems to improve forecast accuracy, optimize inventory levels, and drive continuous improvement in supply chain processes.

Production and Operations Control Department Supervisor
Beryan Goosht [1 Jun 2014 – 1 Jan 2017]

Country: Iran

Directed daily operations, ensuring the smooth functioning of production lines and adherence to established schedules and quality standards.
Implemented process improvements and operational strategies to enhance productivity, reduce costs, and ensure the continuous delivery of high-quality products.

Regional B2B Sales and Marketing Supervisor
Solico Group-Food manufacturing company [1 Apr 2012 – 1 Jun 2014]

Country: Iran

Developed and implemented strategic B2B marketing plans to generate leads, boost sales, and increase brand awareness in the regional market.
Analyzed regional market trends and customer needs to refine sales and marketing strategies, fostering strong relationships with key business clients.

EDUCATION AND TRAINING

Ph.D. Student in Infrastructures and Transportation engineering. Jan 2022-present
The Sapienza University of Rome, QS ranking=171 [1 Jan 2022 – Current]

Address: ROMA (Italy)
Website: https://phd.uniroma1.it/web/GOLMAN-RAHMANIFAR_nP1755966_EN.aspx
Thesis: Solving large-scale dynamic vehicle routing problems with Stochastic requests and Travel Times under supervision of Professor Gaetano Fusco and Professor Chiara Colombaroni

Master's Degree in Transportation System Engineering.
The Sapienza University of Rome, QS ranking=171 [25 Sep 2019 – 29 Jul 2021]

Address: ROMA (Italy)
Final grade: 110 e lode
Thesis: A Dynamic vehicle routing problem in Optimization of waste collection under supervision of Professor Gaetano Fusco, Professor Chiara Colombaroni

Erasmus student for 5 months , University of Zilina, Zilina, Slovakia.
Erasmus Internship at Multi-Objective Optimization at University of Jyväskylä, Finland for 5 months
Remote Researcher in in Smart and Sustainable Logistics at Tecnológico de Monterrey university

Master's Degree in Socio-Economics Systems Engineering
Mazandaran University of Science and Technology. [1 Sep 2011 – 1 Aug 2014]

Field(s) of study: Engineering, manufacturing and construction
Final grade: 110 e lode
Thesis: simulation of inventory level in supply chain management

Bachelor's Degree in Industrial Engineering
Shomal University [1 Sep 2008 – 1 Sep 2012]

LANGUAGE SKILLS

Mother tongue(s): **Persian**

Other language(s):

English	**Italian**
LISTENING B2 **READING** B2 **WRITING** C1	**LISTENING** A1 **READING** A2 **WRITING** A1
SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2	**SPOKEN PRODUCTION** A1 **SPOKEN INTERACTION** A1

DIGITAL SKILLS

MATLAB (Independent user) / Python 3.8. / PTV VISUM Software / TransCAD / QGIS (Foundation of geoinformation systems) / Machin learning / Statistical Analysis (SPSS, R) / Minitab for statistical analysis (Basic) / Microsoft Office Suite (Word, Excel, Outlook, PowerPoint, SharePoint...)

PUBLICATIONS

Heuristic approaches to address vehicle routing problem in the Iot-based waste management system

[2023]

Expert Systems with Applications- CiteScore = 12.2 and Impact Factor=8.665 Q1

Rahmanifar, G., Mohammadi, M., Sherafat, A., Hajiaghaei-Keshteli, M., Fusco, G., & Colombaroni, C. (2023). Heuristic approaches to address vehicle routing problem in the Iot-based waste management system. Expert Systems with Applications, 220, 119708. https://doi.org/10.1016/J.ESWA.2023.119708

An allocation-routing optimization model for integrated solid waste management

[2023]

Expert Systems with Applications- CiteScore = 12.2 and Impact Factor=8.665 Q1

Hashemi-Amiri, O., Mohammadi, M., Rahmanifar, G., Hajiaghaei-Keshteli, M., Fusco, G., & Colombaroni, C. (2023). An allocation-routing optimization model for integrated solid waste management. Expert Systems with Applications, 227, 120364. https://doi.org/10.1016/J.ESWA.2023.120364

Makespan minimizing on multiple travel salesman problem with a learning effect of visiting time.

[2021]

WSEAS Transactions on Systems and Control Journal

Colombaroni, C., Mohammadi, M., & Rahmanifar, G. (2020). Makespan minimizing on multiple travel salesman problem with a learning effect of visiting time. *WSEAS Transactions on Systems and Control*, *15*, 508–526. https://doi.org/10.37394/23203.2020.15.50

CONFERENCES AND SEMINARS

summer school in MIT cennter of Zaragoza Logistics Center

[Zaragoza Logistics Center-Spain]

Artificial Intelligence in transport and logistics applications

SIDT – Società Italiana Docenti di Trasporti

[University of Geneva, 17 Jun 2023]

Having a presentation regarding A Simulation-Optimization Framework For Electric Vehicles Routing Problem With Time Window And Charging Station

Logistic and supply chain management

[Remote]

Non-Linear Multi objective Optimization

[Jyvasyla University of Finland, 1 Mar 2021]

EFQM excellent model, Tuv Rhineland

[Iran University of Science and Technology (IUST)]

HONOURS AND AWARDS

Sapienza University Tutorship Award for Traffic system Engineering

Sapienza University of Rome [1 Mar 2022]

Erasmus Internship scholarship at Jyvaskyla university of Finland for 6 months

Sapienza University of Rome and Jyvaskyla university of Finland [1 Jan 2021]

scholarship for Erasmus study at University of Zilina

Sapienza University of Rome [1 Sep 2021]

The highest GPA master student award at Mazandaran University of Science and Technology

Mazandaran University of Science and Technology [1 Sep 2014]