PEYMAN ASMARI

Date of birth: 06/12/1994

Nationality: Iranian

CONTACT

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europass

ABOUT ME

I am a hard-working master's degree holder with the GPA of 103/110 in Transport systems eng
University of Rome. I also have 2-year experience of working in Tarh Rah Abrisham consulting g
during my bachelor's study, where I learned road design, traffic modeling and planning. In both
professional life, I consistently praised as adaptable by my professors and peers. Whether wor
professional projects, I apply proven teamwork, multitasking, and creative thinking skills.

WORK EXPERIENCE

01/08/2016 – 01/01/2018 Tehran, Iran

Modeler intern Tarh Rah Abrisham Consulting Agancy

Highway design modification and analyzing its impacts, Traffic flow modeling, Road design

EDUCATION AND TRAINING

23/09/2019 – 17/10/2023 Rome, Italy

Master's degree in transport systems engineering Sapienza university

Website www.uniroma1.it

01/10/2013 – 11/07/2018 Tehran, Iran

Bachelor's degree in civil engineering Islamic azad univeristy

LANGUAGE SKILLS

MOTHER TONGUE(S): Persian

Other language(s):

English

Listening C1	**Spoken production** C1
Reading C1	**Spoken interaction** C1
Writing C1	

Italian

Listening B1	**Spoken production** A2
Reading A2	**Spoken interaction** A2
Writing A2	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming: Python Programming | Programming, MATLAB | PTV-Vissim (Basics) | PTV-Visu
Simulation and traffic analysis | Autodesk AutoCAD (2006/2017) | SAP - SAP ERP

PROJECTS

01/05/2023 – 17/10/2023

A comparative analysis of Track Access Charge mechanisms and thei railway network and capacity

Conducted comparative analysis of track access charge mechanisms in 18 countries, asses
network efficiency.
Employed simulation modeling to identify optimization opportunities.
Synthesized findings into actionable recommendations for enhancing track access charge
resource allocation and maximize railway network performance.
Techs: Microsoft Excel, MS Office

01/11/2020 – 01/04/2021

Flow Modeling and Optimizing Signal Setting

Optimizing and synchronizing signal setting data by real traffic counts and data of four int

Techs: Python, MS Office, Google Earth

10/08/2017 – 31/12/2017

BRT system (Tehran to Karaj)

This project was aimed at designing a public transit system (BRT) from Tehran to Karaj.
Techs: Autodesk AutoCAD, MS Office, Adobe FreeHand, Aimsun

01/08/2016 – 30/04/2017

White Line project of Tehran

Modification of Tehran's highway network in order to achieve a more sustainable transportation.
Techs: Autodesk AutoCAD, MS Office, Aimsun

PUBLICATIONS

2024

Comparing European track access charge mechanisms and their impact on networks use

Track Access Charges (TAC) represents the fees paid by operators to utilize railway infrastructure, encompassing tracks, stations, and related facilities. These charges play a crucial role in cost recovery for maintaining, expanding, and operating the railway network, while ensuring fair access for multiple operators. TAC regulations typically consider parameters, such as train mass, distance traveled, time of operation, and service type to determine charges, aiming to establish a transparent and competitive system that optimizes network use and to foster sustainability and growth. The paper undertakes a comprehensive comparative analysis of TAC across 18 European countries, delving into both qualitative and quantitative aspects of TAC regulations. It investigates on the intricate relationships between regulations and key network and capacity features. The analysis encompasses both quantitative metrics and qualitative evaluations, focusing on capacity management and network use. Furthermore, the paper provides recommendations for policymakers and stakeholders to enhance the efficacy of TAC regulations

Peyman Asmari, Stefano Ricci