PERSONAL INFORMATION

Syed Hamza Ali Shah

Rome, Italy
Tel - +393492877104
Email - hamzashah5@gmail.com

CAREER OBJECTIVE

To provide my professional services as a ***Transportation / Traffic Engineer*** in a reputed organization.

WORK EXPERIENCE

12/2021–present

Transport Modeller at Transport Engineering Consulting, Rome

Main responsibilities as Transport Modeller:
- Support to TEC as a modeller for VISSIM and VISUM models

01/09/2021–01/12/2021

Traffic Engineer at Project Procurement International

Main responsibilities as traffic engineer:
- Carry out desk reviews of projects
- Carry out site inspections and interviews with stakeholders
- Carry out and supervise traffic counts
- Capacity analysis and Level of Service calculation
- Carry out Traffic Impact Assessments (TIA)
- **Key Projects**
    a. Blue-9 37 storey office building in new Blue Area
    b. Accident & Emergency Hospital, PIMS, Islamabad
    c. Paradise city, Sector F-16, F-17, Islamabad

08/10/2018–07/2019

Graduate Trainee Engineer at M/S Hafiz and Brothers Engineers and Contractors, Islamabad (Pakistan)

Main responsibilities as trainee engineer:
- Checking and verifying bill of quantities
- Design of shop drawings
- Implementation of construction drawings
- Carrying out operational health and safety talks to laborers
- Preparation of weekly construction report for client
- Rehabilitation of streetlight system in Islamabad

03/07/2017-26/08/2017

Intern at Defence Housing Authority, Islamabad (Pakistan)

Main responsibilities as intern:
- Verifying road level survey
- Site visits of road cut and fill works
- Site visits for building construction
- Preparation of final intern report

EDUCATION

09/2019–08/2021

Masters in Transportation Systems Engineering

Sapienza University of Rome, Rome, Italy
Score: 110/110

09/2014–06/2018	**Bachelor of Civil Engineering**
	National University of Sciences and Technology, Islamabad (Pakistan)
	Cumulative grade point average 3.74/4

Software Skills

Software

- Proficient in MS office (Word, PowerPoint, Excel)
- PTV Vissim
- PTV Visum
- MATLAB
- QGIS
- AutoCAD
- HCS
- Synchro
- Transcad
- ArcGIS

ADDITIONAL INFORMATION

Honours and awards

- 2014-2018: received merit scholarship in each semester
- 2014: High achiever award for excellent grades in Advanced Level
- 2012-2014: 100% tuition fee waiver for Advanced Level due to Ordinary Level result
- 2012: High achievers award for excellent grades in Ordinary Level

Academic Projects

- MSc research: Estimating Road network Safety Performance Indicator: An application to Lazio Region
- Rehabilitation of Falconara (Italy) Airport to increase its traffic
- Development of Sustainable Urban Mobility Plan for Islamabad, Pakistan
- Signal Setting Design and ITS for Via Prenestina, Rome, Italy
- Freight Transport Vehicle Routing Problem for Padova, Italy
- Railway network and vehicle analysis for line between Lagopesole to Potenza Centrale, Italy
- Bachelors Final Year Project: Incorporation of phase change material in lightweight aggregate concrete for passive building application
- Calculation and Optimization of Level of Service of a highway intersection
- Design and analysis of five-storey steel structure
- Time scheduling and work breakdown structure of a construction project
- Digitization of a major residential sector of Islamabad using ArcGIS
- Topographic survey of National University of Sciences and Technology campus and mapping using MS Survey
- Design of two-storey residential unit according to ACI code
- Town planning of a private housing society

Memberships   .   Registered Engineer with Pakistan Engineering Council