Soheil Keshavarz

Curriculum Vitae

🏠 Shiraz, Iran 📞 +98-903-940-8789

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Education

Sep 2016 – Feb 2022 | **Sharif University of Technology, Tehran, Iran**

Bachelor of Science in Civil Engineering

Minor in Computer Science

GPA: 17.80/20 (3.79/4) *Class Rank: 5/70*

Last two years' GPA: 18.35/20 (3.94/4)

Research Interests

- Intelligent Transportation Systems
- Connected and Autonomous Vehicles
- Sustainable Transportation Planning
- Urban Planning & Policy

Publications

Accepted | 1. Rashidi, M. H., **Keshavarz, S.**, Pazari, P., Safahieh, N. & Samimi, A. Modeling the Accuracy of Traffic Crash Prediction Models. *IATSS Research*.

Teaching Experience

Feb 2022 – Jul 2022 | **Teaching Assistant (TA) for 'Urban Infrastructure Sustainability Principles'**

Presented by prof. Amirhassan Kermanshah

Sharif University of Technology, Tehran, Iran

Work Experience

Jul 2020 - Sep 2020 | **Internship – Office of Intelligent Transportation Technology Services**

Researcher and Data Analyst – Supervisor: Prof. Amir Samimi

- Aggregated and analyzed crash and traffic data of Iran's intercity roads
- Studied crash frequency and time series models
- Prepared a report on "Urban Freight Initiatives" by the order of Tehran Municipality
- Revised a translated version of "Streetfight: Handbook for an Urban Revolution" written by Janette Sadik-Khan, former commissioner of NYC DOT.

| Jun 2019 - Jun 2020 | **Sharif Civil Science Club (ISTA)** |
| | *Planning and HR director* |

- Devised vivid plans and proposed ideas to the members of ISTA
- Helped ISTA Collaborate with over 50 undergraduate students for the first time
- Established the first competition in Civil Engineering Department, led its team, and set the rules *(Unfortunately, it got canceled due to the COVID-19 outbreak)*

Skills

Programming	Python, Java
Software	Autodesk Autocad, Autodesk Civil 3D, Wireshark, Unity Game Engine, P6
	Stata, Tableau, ArcGIS, QGIS, Wireshark, Microsoft Office, LaTeX, Mendeley
Quantitative	Time Series Analysis, Regression Analysis, Stochastic modeling, Data Analysis,
	Project Economic Evaluation, Computer Networks, Data Structures,
	Image Processing, Machine Learning, Deep Learning
Other Skills	Critical Thinking, Sustainability Principles
Languages	Farsi *(native)*,
	English *(TOEFL iBT score: 106 R:30, L:30, S:23, W: 23)*

Notable Courses

Urban Infrastructure Sustainability Principles *(Research: Role of E-Bikes in Urban Sustainability)*	18.0
Creativity and Problem Solving *(Research: Study on Use of Bikes in Tehran and Consequent Problems)*	18.7
Highway and Traffic Engineering	17.7
Statistics	20
Data Transmission and Network	20
Data structures	19.4
Advanced Programming *(Project: Implementation of 'Hearthstone' game on Java GitHub repo)*	Pass
Principles of Image Processing	15

Honors

- **Ranked in the top 0.5%** among approximately 150,000 participants of Iran's Undergraduate University Entrance Exam, Iran, 2017

Hobbies

Playing soccer & tennis   Playing progressive & blues rock   Visiting new cities