



M. Masoud Rahimi

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🌐 [LinkedIn](#)

Research Interests

An enthusiastic, adaptive and fast-learning person with a broad and acute interest in the discovery of novel applications of geospatial sciences, I particularly enjoy collaborating with scientists from different disciplines to develop new skills and solve new challenges.

Education

2018 - Current	PhD in Spatial Information , <i>The University of Melbourne</i> , Australia. Thesis: Toward a real-time service quality indicator for transport nodes Supervisors team: Prof Stephan Winter, Prof Mark Stevenson, Dr Elham Naghizade
2014 - 2017	MSc. in Geospatial Information Systems (GIS) , <i>The University of Tehran</i> , Iran. Thesis: A framework for spatial analysis in traffic management based on cloud computing Supervisor: Dr Farshad Hakimpour GPA: 88.5/100
2009 - 2013	BSc. in Geomatics Engineering , <i>Iran University of Science and Technology</i> , Iran. GPA: 81.5/100

Academic Activities

Teaching	<ul style="list-style-type: none">• Tutor for graduate students, Satellite Positioning Systems, <i>The University of Melbourne</i>, 2019 - Current• Demonstrator for graduate students, Foundations of Spatial Information, <i>The University of Melbourne</i>, 2019 - Current.• Teaching assistant, Cartography, Iran University of Science and Technology, 2011• Teaching assistant, Cadastre, Iran University of Science and Technology, 2010
Student Supervision	<ul style="list-style-type: none">• Master thesis supervisor, Andre Andre, <i>The University of Melbourne</i>, 2019• Master thesis supervisor, Xiaoxue Wang, <i>The University of Melbourne</i>, 2019

Publications

2019	Masoud Rahimi, Elham Naghizade, Stephan Winter and Mark Stevenson. <i>The Effectiveness of Sentiment Analysis for Detecting Fine-grained Service Quality</i> , Geocomputation'19
2017	Masoud Rahimi, Farshad Hakimpour. <i>A Framework for Floating Car Data Map Matching based on Cloud Computing</i> , ISSGE Peer-Reviewed Journal of Geomatics Science and Technology
2017	Masoud Rahimi, Farshad Hakimpour. <i>Towards a Cloud-based Smart Traffic Management Framework</i> , ISPRS International Joint Conference'17
2017	Masoud Rahimi, Farshad Hakimpour. <i>A Review on utilizing cloud computing technologies in spatial data processing</i> , ISSGE National Geospatial Engineering Journal.

Work Experience

	GIS Developer, TFR consultants, Tehran, Iran
2015 - 2018	Main responsibilities include: Spatial software development (Web and Desktop) using .NET (C# and ASP.NET MVC) and MSSQL. Cooperated with electrical engineers for designing and operating an AVL system for fleet management. Developing a wrapper software to facilitate the connection between a GPS module, an existing C++ NMEA listener and a C# controller. Cooperating in the design and development of the evaluation process of spatial information systems. Developing a spatial platform for Iran Roads Management Center in order to assess the performance of current constructors and compare their performance on a real-time basis. I learned to work with technology under heavy pressure where a small sized company relies on your design and administration 24/7.

Technical skills

Programming Languages	C#, Java, Python, R and MATLAB
NLP	Expertise in core NLP tasks including topic modelling, text classification and sentiment analysis using machine learning and deep learning approaches
Big data	Experienced in Hadoop MapReduce
Databases	Oracle, MS-SQLServer, MySQL
Spatial Software	ESRI Suites of programs, ArcGIS Products.
Other skills	Computer Assisted Design (AutoCAD), Office package (Word, Excel, Access, PowerPoint) and Graphic design (Adobe Photoshop)

Languages

English	Professional (IELTS 7)
Persian	Native

Honors and Awards

2019	Newman College Academic Scholarship, 2019-2020
2018	Melbourne International Research Scholarship
2015	Best Scientific Journal in National Student Committees Competition
2015	Best Scientific Website in National Student Committees Competition
2014	Rank 14th among 2519 applicants in the national Master of Science entrance exam.

Volunteer Experiences

2019 – Current	Mentor and Duty Tutor, <i>Newman College</i> , Australia
2012-2013	President of the union of academic committees, <i>Iran University of Science and Technology</i> , Iran
2011-2012	President of the Geomatics academic committee, <i>Iran University of Science and Technology</i> , Iran

References

winter@unimelb.edu.au	Prof Stephan Winter My PhD principal supervisor at The University of Melbourne.
e.naghi@unimelb.edu.au	Dr Elham Naghizade My PhD supervisor at The University of Melbourne.
fhakimpour@ut.ac.ir	Dr Farshad Hakimpour My MSc supervisor at The University of Tehran.