PERSONAL INFORMATION

Reza Safarzadeh Ramhormozi

Date of birth: 5 May 1991
Place of birth: Tehran, Iran
Citizenship: Iran
Marital Status: Married
Address: Unit 285, Entrance 9, Block B4, Phase 1, Ekbatan Town, Tehran, Iran
Tel: (+98-21) 4464 0821, Cell Phone: (+98-912) 449 96 59
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Linked in.

EDUCATION AND TRAINING

Sep 2014 – Sep 2017

M.Sc. in Geospatial Information Systems
K. N. Toosi University of Technology, Tehran, Iran
(Center of Excellence in Geospatial Information Technology (CEGIT) in Iran)
GPA 87/100

Thesis title: Optimization of Urban Land use allocation using metaheuristic algorithms and spatial metrics

Dissertation Supervisors: Dr. Mohammad Karimi

Sep 2009 - Sep 2013

B.Sc. in Geomatics Engineering
Iran University of Science and Technology, Tehran, Iran
GPA 80/100

Sep 2007 – June 2009

Secondary Education Diploma
Imam-Sadegh High School, Tehran, Iran
GPA 93/100

HONORS AND DISTINCTION

Obtained a ranking of 32 among 3000 applicant in The National Examination of Geomatics Engineering for M. S. Entrance

Executive board member of The 1st National Conference on Geospatial Information Technology, Tehran, Iran, Jan. 2016

Awarded as the best publication in The 2nd National Conference on Geospatial Information Technology (NCGIT), Tehran, Iran, Jan 2017.

PUBLICATIONS

Safarzadeh R, Karimi M, and Alaei Moghadam S. Multi Objective Optimization of Urban Land Use Allocation Using Meta-heuristic Algorithms and Spatial Metrics. Journal of Geomatics Science and Technology, JGST. 2018; 7 (3):189-212
(http://jgst.issge.ir/article-1-607-en.html)

CONFERENCE PAPERS

Safarzadeh, R & Karimi, M. Application of Multi-Objective Particle Swarm Optimization Algorithm in Site Selection for Temporary Housing after Earthquakes in Tehran. Paper presented at The 2nd International Congress on Earth Science & Urban Development (ESUD), Tabriz, Iran (2016).

Safarzadeh, R., Karimi, M., & Alaei Moghadam, S. Optimization of Urban Land Use Allocation using Non-dominated sorting Genetic Algorithm and Spatial Metrics. Paper presented at The 2nd National Conference on Geospatial Information Technology (NCGIT), Tehran, Iran (2017).

Safarzadeh, R & Karimi, M. Application of None Dominated Sorting Genetic Algorithm-II in Site Selection for Temporary Housing after Earthquakes in Tehran. Paper presented at The 3rd International Congress of Earth Sciences & Urban Development (ESUD), Tehran, Iran (2017).

WORK EXPERIENCE

- GIS Manager at "Parsa.co (FANAP ICT)" Company (July, 2018 - Currently).
  - Implementation of Web based GIS application (GeoBI) for branches and ATMs network for "Pasargad Bank" in Iran
  - Spatial Analysis and site selection for establishing new branches and ATMs for "Pasargad Bank" in Iran
  - Using HTML, JavaScript (Spatial libraries: ESRI JavaScript API, OpenLayers), Python (Spatial libraries: GDAL, Shapely, Pyproj, GeoPandas)

  (http://www.parsa-cit.com/en , http://en.fanap.ir)

- GIS Manager at "Avayarsanat" Company (Feb, 2017 - June, 2018).
  - Implementing and developing GIS applications
  - Providing Iran's cities tourist map
  - Using ARCGIS software, QGIS, GeoServer, MapServer, PostgreSQL, …

  (http://www.en.avayarsanat.ir)

SKILLS

- *Solid background and advanced knowledge in spatial web and software development technologies including*:
  > HTML, CSS, JavaScript (Spatial libraries: ESRI JavaScript API, Open Layers, Google Maps), GeoServer, Map Server, ArcGIS Server, Python (Spatial libraries: GDAL, Shapely, Pyproj, GeoPandas), Java, Matlab

- *Skilled in working with database management tools:*
  > MSSQLServer, MySQL, PostgreSQL, PostGIS, MongoDB

- *Experienced in working with spatial software:*
  > ArcGIS Desktop, QGIS, Auto CAD, Civil 3D, ENVI, IDRISI,

- *Ability to collaborate with developers and business analysts to produce software designs*
- *Strong attention to details and ability to concentrate*

LANGUAGE SKILLS

Persian (Mother Tongue)   English

RESEARCH INTRESTS

Geographic Information Science (GIS)
Spatial Decision Support Systems
Web-Based Mapping and GIS
Geospatial Computing
Spatial Data Infrastructure (SDI)
Urban Planning

RECOMMENDATION

Dr. Mohammad Karimi, Associate Professor, GIS Department, Faculty of Geomatics, K. N. Toosi University of Technology, Tehran, Iran. (mkarimi@mail.kntu.ac.ir)

Dr. Mohammad Taleai, Associate Professor, GIS Department, Faculty of Geomatics, K. N. Toosi University of Technology, Tehran, Iran. (Taleai@mail.kntu.ac.ir)

ABOUT ME

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.