Negar **Rahmatollahi**

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School of Sustainable Engineering & The Built Environment Arizona State University | Ira A. Fulton Schools of Engineering Office: Room 410, ISTB7, 777 E. University Dr., Tempe, AZ 85287

"What you seek is seeking you."

Education

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Arizona State University

1. Ph.D. Student in Civil & Environmental Engineering   August 2023 - present

Kamal-Ol-Molk Institute of Higher Education

2. Master of Science in Urban design   September 2018

Average: **18.52 out of 20** (**GPA 3.93 out of 4**)

3. Bachelor of Engineering in Urbanism   September 2016

Average: **18.15 out of 20** (**GPA 3.83 out of 4**). The last 60 credits: **GPA 3.96 out of 4**.

Awards

- **Desert Green Scholarship** from the Fortier Excellence in Education Scholarship (Las Vegas-2022)
- **First ranked student among 70 students** in Bachelor and Master courses

- Achieved **second place in the Olympiad Mathematics Exam**

Professional and Academic Experiences

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Arizona State University
Fall 2022 - Spring 2023

Extreme Heat Deaths and Mobile Homes in Arizona as a researcher. -
https://keep.lib.asu.edu/_flysystem/fedora/c160/AAMHO_FINAL%20DRAFT_01_09.pdf

YouthMappers: Design for the OpenStreetMap Community as a researcher. -
(https://news.asu.edu/20230309-global-engagement-mapping-project-helps-humanitarian-effortswake-turkey-syria-earthquake)

The University of British Columbia (UBC)
2019 - 2021

- Regenerating a neighborhood place (Research based)

Technical skills

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- ArcGIS

- eQuest and BEopt programs

- Autocad (Drawing and 3D)

- Honeybee and Lady Bug by Grasshopper

- SPSS and STATA analysis program

- Python, Machine and Deep learning

- Google Sketchup

- Microsoft office

- Adobe Illustrator & Photoshop

Research Interest

Climate change, Heat Temperature, Extreme Heat Resilience, Energy modeling. Solar Radiation analysis, GIS modeling and analysis, Urban Heat Island, Urban Design, Development and Planning, Urban Sustainability, Urban Resilience, Urban Land Use, Natural Disaster.

Conference Paper

Rahmatollahi, N. Cheng, C. Praharaj, S. "**Climate justice in community design: investigating alternative metrics of economic vulnerability to extreme heat in Metro Phoenix, Arizona,**" Accepted in CELA Annual Conference 2023: San Antonio, Texas.

Conference Publications

- Rahmatollah, N.;" **Analysis of the formation of a healthy city with an emphasis on urban health**," 2017 The Third International Congress on contemporary architecture and urbanism (also published in CIVILICA and ISC) - (Persian)

- Rahmatollahi, N.; **"Recreating the atmosphere of Urban Sustainable Development   Approach (Case study: Compare in Tehran and Berlin cities)**," 2017 The Second International Conference on Civil Engineering, Architecture & Urban Design; Venue: Kasem Bundit University (also published in CIVILICA and ISC) Number: (**PE-BDGB in ICCAC**) – (Persian)

- Rahmatollahi, N.; **"Assessment of Urban and Social Resilience against Natural Disasters (Case Study: Earthquake in Tehran District 22)**", 2018 The 4th International Conference on Civil, Architectural, Environmental and Urban Management at PragueCzech Number: (**4ceu-1007**) – **A*1** – (Persian)

- Rahmatollahi, N.; **"An Analysis of Physical Resilience against Earthquake Natural Disasters (Case Study: New Zealand)**," 2018 The 2nd International Conference on Applied Research in Science, Technology, and Knowledge at Germany-Hanover – **A*1** – (Persian)

Certifications
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- Certificate of disaster preparedness (**University of Pittsburgh**) – grade 95.00%

- Certificate of ecology; ecosystem dynamics and conservation (**American Museum of Natural History**) – grade 86.00%

- Certificate of introduction to sustainability (**University of Illinois at Urbana-Champaign**) – grade 89.04%

- Certificate of Introduction to GIS (**University of Toronto**) – grade 93.40%

- Certificate of Spatial Analysis and Satellite Imagery in a GIS (**University of Toronto**) – grade 83.06%

- Accessing Data in a Portal Using ArcGIS API for Python (ESRI)

- Deep Learning Using ArcGIS Pro (ESRI)

- Introduction to ArcGIS API for Python (ESRI)

- Performing Analysis Using ArcGIS API for Python (ESRI)