Ali Hossaini

GRADUATE STUDENT

SUMMARY

I am a graduate student in the Geography and Geographic Information Science programs at the University of Minnesota. My research is focused on geospatial and remote sensing problems and I am pursuing a career in GIS industry.

EDUCATION

Master of Geographic Information Science
University of Minnesota– Expected Spring 2022

Master of Arts in Geography
University of Minnesota– Expected Spring 2022

Bachelor of Science in Geomatics Engineering
University of Isfahan- 2017

PORTFOLIO

https://AliHossaini.com/

TECHNICAL SKILLS

Software:
ArcGIS (Pro, Online, Desktop), Quantum GIS, eCognition, Carto, Pix4D Mapper, AutoCAD Map

Software Development:
Python, Matlab

Database:
MySQL, PostgreSQL, PostGIS

Web programming:
HTML, JavaScript

PROFESSIONAL MEMBERSHIP

- American Association of Geographers (AAG) Membership, 2020- Present
- Geographic Information Science Student Organization (GISSO), University of Minnesota Twin-Cities, 2019 – Present

CONTACT INFORMATION

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USpatial, 420 Blegen Hall, University of Minnesota

PROFESSIONAL EXPERIENCE

Co-Instructor

- Introduction to Principles of Geographic Information Systems in Environmental Science, University of Minnesota Duluth, 2021 (Spring)

Teaching Assistant

- Principles of Geocomputing, University of Minnesota Twin-Cities, 2022 (Spring)
- Principles of Cartography, University of Minnesota Twin-Cities, 2021 (Fall)
- Principles of Geographic Information Science, University of Minnesota Twin-Cities, 2020 (Fall)
- Mapping Our World course, University of Minnesota Twin-Cities, 2019 (Fall), 2020 & 2021 (Spring)

  - Responsible for Providing technical support with GIS labs using ArcGIS Desktop, ArcGIS Pro, and ArcGIS Online as well as ArcPy and Python Notebooks.
  - Supporting student questions and understanding of fundamental cartographic concepts
  - Troubleshooting, private consulting, and problem-solving communication
  - Training, collaborating, and presenting demonstrations of spatial thinking and GIS/mapping techniques
  - Lab exercise development with ArcGIS Pro and ArcGIS Online

Research Assistant

- Liberal Arts Technologies and Innovation Services, University of Minnesota Twin-Cities, 2020 (Summer)

  - Responsible for redesigning the Principles of Geographic Information Science course for online mode
  - Supporting GIS Research Methods courses moving fully online for fall 2020.
  - Preparing "Principles of GIS" course syllabus and lessons for remote delivery
  - Assisting senior researchers for updating curriculum

VOLUNTEER EXPERIENCE

- Volunteer Service, Map Native Plant Communities, Minnesota Department of Natural Resources, 2021
- Student Assistant, MN GIS/LIS Conference & Workshops, Professional Development Opportunities, Minnesota GIS/LIS Consortium, 2021
- Student Volunteer Mentor, MN GIS/LIS Mentor Program, Professional Development Opportunities, Minnesota GIS/LIS Consortium, 2020

AWARDS

- Granted Albert Einstein German Academic Refugee Initiative (DAFI) scholarship, United Nations High Commissioner for Refugees (UNHCR), Tehran, Iran, 2014-2017

CONFERENCE PARTICIPATION

- Esri User Conference, Virtual conference, ESRI, 2020 & 2021
- MN GIS/LIS - UMN Virtual GIS Career Fair, UMN Twin-Cities, 2020 & 2021
- Spatial Data Science Conference (SDSC), 2020