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Naci Dilekli, PhD

Data Scientist and Developer



SKILLS

Software Development

Android, Node.js, ArcGIS Server, ArcPy, JavaScript, Dojo Framework, .NET, geopandas, gdal

Data & DB

MS SQL, PostgreSQL, MySQL, ArcSDE, Versioning, XML, JSON, Shapefiles, Enterprise Geodatabases, Various Raster and Vector Formats

Geospatial Analysis

ArcGIS Desktop, ArcGIS Pro, QGIS, GDAL

Data & Statistical Analysis

MATLAB, R, Python, SPSS

Environment Based

Linux, Windows, Virtualization, Cloud e.g. AWS

Software Improvement

Software Troubleshooting, Root Cause Analysis, Performance Optimization

Full Life Cycle Development

Conceptualization, Design, Implementation, Continuous User Involvement and Support, Version Control (Git)

Personal

Grant Writing, Creative, Driven, Organized, Multitasking, Evidence, Planning, Detail and Results Oriented

Interpersonal

Project Administration and Leadership, Educator, Adaptability, Flexibility, Small and Large Teams

Languages

Turkish (Native), English (Advanced), Spanish (Conversational)

SUMMARY

- T-Shaped skillset with deep expertise and experience in analytical problem solving with specialized skills in databases, visualization, analytics, and programming.
- Versatile full stack developer and manager with abundant full software life cycle experience. Example medium scale custom mapping application: MapHora (Android).
- Experience in working in small to large teams with international, diverse, and multidisciplinary environments.
- Delivered trainings and academic instruction in private sector and academia.

RECENT EXPERIENCE

Sep 2019		Associate Professor	RUDN University
Oct 2020		▽ Instructor of Geospatial Programming and Applied Geospatial Methods classes.	
		▽ Delivered GIS and Remote Sensing lectures and trainings in France and Nigeria	
Feb 2016		GIS Developer II & Research Scientist	University of Oklahoma
July 2019		▽ Developed a range of Web GIS applications with vastly different functionalities for assisting decision making using large vector, raster and non-spatial datasets; conducted trainings	
		▽ Won a grant from OCAST for analyzing environmental exposures and cancer among other academic grants; published academic papers	
Feb 2015		Visiting Professor	Izmir Institute of Technology
Jun 2015		▽ Instructed two classes related to urban planning, utilization of geospatial technologies, and disaster management.	
Mar 2012		Postdoctoral Research Associate	Rensselaer Polytechnic Institute
Dec 2014		▽ As an NSF Grant recipient, used the historical national and international input-output accounts data, high resolution technology information and environmental data in economic analyses.	
		▽ Extended the existing economic linear optimization algorithms and published scholarly papers on natural resources and economics.	
Aug 2010		Senior Scientist	Geospatial Applied Research Experts House
Aug 2011		▽ Principal developer of the national award-winning Cancer Awareness GIS tool, organized by the National Cancer Institute for fusing, analyzing, and reporting data and maps pertaining to cancer at the county and state levels.	
		▽ Developed grant applications and training materials.	
May 2007		Graduate Research Assistant	University of Oklahoma
Aug 2010		▽ Utilized Python for ArcGIS for processing large sets of data into useful formats, a process that would be otherwise inordinately laborious.	
		▽ Developed three Web GIS applications (using the .NET, Flex and Silverlight APIs) and a non-spatial website (LAMP stack) for asset management and decision making.	

EDUCATION

Aug 2010		PhD in Geography	University of Oklahoma
July 2005		MSc in Information Systems	Middle East Technical University (METU)
Jun 2004		MSc in Geodetic and Geographic Information Technologies	METU
Jun 2002		Bachelor's in City and Regional Planning	METU