

# MARYAM DANESHFAR

Civil Engineering Institute, Technical University of Berlin

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## EDUCATION

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Present	<p>PhD. Civil Engineering</p> <p><b>Department of Civil and Building Systems, Civil Engineering Institute, Technical University of Berlin, Berlin, Germany</b></p> <p>Dissertation topic: Effect of surrounding and environmental data in energy-efficient building renovation</p>
OCT 2016	<p>MSc. Applied Geoinformatics</p> <p><b>Department of Geoinformatics, University of Salzburg, Salzburg, Austria</b></p> <p>Master thesis: Transfer of an analysis workflow from ArcGIS to Grass GIS; The case of forest fire risk assessment under drought conditions</p>
MAR 2010	<p>BSc. Civil Engineering – Geomatics and Surveying</p> <p><b>Faculty of Engineering, University of Tehran, Tehran, Iran</b></p> <p>Study emphasis: Surveying, Geomatics, Geodesy, Photogrammetry, Remote sensing, GIS, Geosciences, Urban planning</p>

## PROFESSIONAL EXPERIENCE

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Present	<p>Research Associate</p> <p><b>Technical University of Berlin, Berlin, Germany</b></p> <p>'BIM-SPEED', Horizon 2020 project; BIM-based residential building renovation; Involved in the task of integrating surrounding and environment data in BIM and BEM</p>
APR 2016	<p>Front-end Web Developer</p> <p><b>ORCA Geo services GmbH, Brandenburg an der Havel, Germany</b></p> <p>Web application development for clients in diverse fields such as agriculture, crop management, plantation management, certification, UAV and photogrammetric data processing</p>

DEC 2010	Research Assistant <b>University of Hohenheim, Stuttgart, Germany</b> Delineation and classification of single trees from aerial imagery and LiDAR data Teaching assistance in the field of GIS and remote sensing
FEB 2014	GIS Analyst <b>Parsboom Consulting Engineers, Tehran, Iran</b> Geospatial data management, map drafting, Geospatial analysis

## SKILL

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Programming    Python, JavaScript, Angular  
GIS                ArcGIS, SDI (GeoServer)  
BIM  
EnergyPlus

## SCEINTIFIC PRESENTATION

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JUNE 2020        GIS-based ontology for surrounding buildings to support building renovation.  
*LDAC2020 - 8th Linked Data in Architecture and Construction Workshop*

## REFERENCE

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Prof. Dr. Timo Hartmann  
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