

Work Address: 140 N. Sandusky St. Delaware, Ohio 43015  
Phone: (740) 833-2070 (W)  
Work Email: [selhami@co.delaware.oh.us](mailto:selhami@co.delaware.oh.us),  
Personal Email: [shoreh.elhami@gmail.com](mailto:shoreh.elhami@gmail.com)  
Work Website: [www.dalisproject.org](http://www.dalisproject.org)  
GISCorps Website: [www.giscorps.org](http://www.giscorps.org)



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## Shoreh Elhami, GISP

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Over twenty years of senior level professional GIS experience. Fields of expertise include: cadastral mapping/land management, census, addressing and geo-coding, planning, economic development, emergency response and preparedness, election and redistricting, local government procedures, and directing a non-profit GIS operation. Proficient in: project management and contract negotiation, team building, task delegation, RFP development, long range budgeting and forecasting, cost-benefit analysis and Return on Investment (ROI) calculation, GIS Needs Assessment, GIS training (over 10 years experience in teaching graduate GIS courses), and public presentations

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### Education

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- Architectural Engineering (Major), Urban Planning (Minor), 1982, National University of Iran, Tehran
  - Masters Degree in City & Regional Planning, 1989, The Ohio State University, Columbus, OH
  - Audited several post-graduate level GIS courses in departments of Geography, Landscape Architecture, and School of Natural Resources at OSU (1989-1991)
  - Numerous software courses & workshops from 1989 to present
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### Work Experience

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**GIS Director**, 1994-Present, Delaware County Auditor's GIS Office, Delaware, OH

- Chief architect of divisions' comprehensive and award winning GIS system
- Responsible for hiring a team of professionals and procurement of all services, software programs, and equipment
- Directed a team of GIS Professionals in design and maintenance of a detailed geodatabase containing over 90 datasets
- Prepared many RFPs for various projects, negotiated with consultants on those proposals and devised plans on performing Quality Control on the deliverables
- Designed & implemented Interactive Map Server applications since 1997 (MapObjects, ArcIMS, and Arc GIS Server)
- Designed and implemented several procedures for geo-coding and quality control of Census datasets for various census projects
- Prepared 5-year plans and annual budget for two departments
- Devised an open and simple interface for data distribution
- Designed and created multiple cartographic products for Delaware County
- Designed and implemented the migration of coverage based cadastral dataset from ESRI's coverage format to geodatabase environment
- Assisted many county and city departments in acquiring and/or complementing their own GIS systems and applications
- Assisted in integrating GIS into multiple division's workflows and applications (E-911, planning, code compliance, Board of Elections, etc.)
- Conducted numerous training sessions & presentations for county & city departments

**Adjunct Instructor**, 1999 to 2009, Ohio State University, Columbus, OH

- Taught a graduate course "GIS in Professional Planning Practices, C&RP 608"

**ESRI Authorized Instructor**, 1998-2009, Delaware, OH

- Authorized in teaching Introduction to ArcView in 3X, 8X, and 9X environments

**Adjunct Instructor**, 1998, Ohio Wesleyan University, Delaware, OH

- Taught Cartography/GIS course to Junior and Senior Geography students

**GIS Coordinator, Principal Planner**, 1989-1994, Delaware County Regional Planning Commission (RPC), Delaware, OH

- Built the RPC's planning oriented geodatabase
- Developed a comprehensive GIS database and multiple models which were primarily used in creating the County's Development Suitability models & Land-Use Plans
- Designed hardware/software configurations, handled trouble shooting, and trained other team members
- Utilized the GIS database for monthly review of subdivisions and rezoning proposals
- Conducted demographic analysis on an annual basis using various projection models (population and employment forecasting)

**Graduate Research Associate**, 1987-1989, Department of City & Regional Planning, Ohio State University (tuition paid Internship)

- Worked on the research project, Darby Creek (State Scenic River), which linked GIS with a non-point source pollution model (AGNPS) to evaluate alternative agriculture practices and land management strategies for a rural watershed
- Created several datasets from hard-copy maps (used ERDAS & Arc/Info extensively)
- Analyzed, entered, encoded, and manipulated geodatasets
- Assisted in classifying satellite imagery (Thematic Mapper) to create county's land cover layer (supervised and unsupervised classifications)
- Assisted in presenting the project to various entities

**Regional Planning Analyst**, 1982-1984, Ministry of Interior, Department of Development, Tehran

- Conducted numerous planning surveys and statistical analysis
- Received awards for the design and several grants for the implementation of two Urban Revitalization Plans
- Prepared Development and Revitalization Plans for two cities and supervised the implementation of those plans

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### Technical Skills

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- Proficient in using ArcGIS desktop and its sub modules in Windows environment
- Experienced in using several ArcGIS extensions (3D Analyst, Spatial Analyst, and Image Analysis)
- Experienced in ArcIMS, ArcSDE, and ArcGIS Server
- Proficient in database modeling (cadastral and addressing particularly)
- Experienced in remote sensing and spatial modeling using ERDAS and Image Analysis extension of ArcGIS
- Proficient in using popular Windows based software packages
- Proficient in web site content management (Dream Weaver, Joomla)

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## **Certifications & Training**

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- Many web based training courses (mostly ESRI based)
- GISP certification from GIS Certification Institute (GISCI) in 2004
- Arc/SDE in SQL Server environment, 2003, Columbus, OH
- Novalis Parcel Editor 4.0, 2003, Columbus, OH
- ESRI's ARCIMS Studio (3-day training on customization), 2002, Delaware, OH
- What's New in Arc/Info 8, 2000, Columbus, OH
- Authorized ArcView Instructor, 1998 to present, Delaware, OH
- Technology Transfer training, Visual Basic, MapObjects, 1998, Delaware, OH
- Programming with AML, 1995, Redlands, CA
- Programming with Avenue, 1995, Columbus, OH
- Introduction to ArcView, 1995, Columbus, OH
- Introduction to Arc/Info, 1992, Columbus, OH
- One week training on Pc Arc/Info and ERDAS, 1991, Atlanta, GA
- Self training/Course work on ERDAS & Pc Arc/Info 1987-1990, Columbus, OH
- Several URISA workshops (2000 – present)

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## **Professional Affiliations & Memberships**

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- URISA Leadership Academy, 2008 to present
- Delaware County Health District Advisory Committee, 2006 to present
- Delaware County Library Board of Trustees (2008-2009)
- Land Parcel/Cadastral Committee of National Academy of Sciences (2006-2008)
- The Ohio Statewide Imagery Program (OSIP) evaluation committee (2006)
- URISA Board of Directors (2005-2007), URISA member since 1989
- URISA GISCorps Co-founder and Core Committee member since 2003
- National Academy of Sciences Mapping Science Committee (two terms, 2003-2008)
- URISA Nominating Committee (2004-2006)
- URISA Chapter Relations Committee member & past Chair (2001-2004)
- URISA ESIG Committee member, past Chair, & past Vice-Chair (2001-2004)
- Columbus Community College GIS Advisory Committee (2003-2008)
- Served as a GIS Consultant to the National Academy of Sciences Panel on Future Research on Census Methods (Census 2010) to review the Census Bureau's plans for Master Address File and TIGER Modernization Plans for 2010 (2001-2002)
- Ohio Geographically Referenced Information Program (OGRIP) since 1990
- Co-Chair of two OGRIP task forces: Cultural & Political Boundaries, & Cadastral (2002)
- URISA Ohio Chapter member since 1995; past president and vice president
- Great Lakes / Midwest Arc/Info Users Group, 2000
- Ohio GIS Conference planning sub-committee 1993-2001
- Served on the National Academy of Sciences LUCA Evaluation Committee (1999-2000)

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## **Awards/ Accomplishments/Papers**

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- Founded the GISCorps, a program under URISA's auspices that coordinates volunteer services to communities in need around the world, 2003 to present
- Reviewed "A New Vision for the 2020 Census", a National Academy of Sciences National Research Council's report, 2009
- Keynote presentation at the Pictometry's FutureView Conference, 2009
- Presentation at the University of Redlands, 2009
- Received Barbara Hirsch Special Achievement Award in recognition of the work done with the URISA Leadership Academy, 2008
- Keynote presentation at Ontario Chapter of URISA Conference, 2008
- Presentation at the University of Santa Barbara, CA, 2008

- Co-authored the “National Land Parcel Data – A Vision for the Future”, 2007
- Presentation at the International Emergency Management Conference and Exhibition in Adelaide, Australia, 2007
- Keynote presentation at Chicago’s GIS users group (ILGISA), 2007
- Received two national achievement awards from the National Association of the Counties (NaCO) for two IMS applications, 2007
- Presented/taught at “Geo information for Sustainable Cities Workshop” – a GIS workshop in Jordan, Amman, 2006
- Presented at the National States Geographic Information Council (NSGIC), 2006
- Volunteered to present/teach an ArcGIS workshop at Afghanistan Information Management Services (AIMS) in Kabul, Afghanistan, 2005
- Received the Service Award of the year from ESRI GIS Health for GISCorps, 2005
- Received an Honorable Mention Award from URISA’s Exemplary Systems in Government (ESIG) in Enterprise category for the ArcIMS based application, 2005
- Received URISA’s 2003 Leadership Award
- Received from ESRI first place prize for the Map Book project, 2003
- Received The Ohio State University College of Engineering’s 2002 Distinguished Alumni award, 2002
- Delaware County’s Employee of the Year in 2002; a finalist in 2001
- Finalist for the “Innovator/Creator of The Year” award in 2001, 2002 & 2003
- Was invited and attended a 2-day workshop in Washington D.C. for the purpose of reviewing The USGS’ National Map concept, 2002
- Received “The Best GIS Practices Award” in the State of Ohio from Ohio Geographically Referenced Information Program (OGRIP), 1998
- Received ESRI’s “Special Achievement Award – SAG” in 2000 & 2006 for GISCorps
- Member of Columbus State Community College Advisory Committee (2001-2004)
- Discussant at the National Academy of Sciences 2010 Advisory Committee meeting to comment on Census Bureau’s 2010 plans for MAF and TIGER, Washington D.C., 2002
- Designer and judge of the “Map Gallery” for the 2001 Ohio GIS Conference
- Member of the panel to Judge Ohio’s “Best GIS Practices” in 2001
- Discussant at the Federal Committee on Statistical Methodology’s Research Conference for a session titled “Issues in Geospatial Data Collection” (2001), Washington D.C.
- Testified before the Census Monitoring Board, an eight-member committee, appointed by the US Senate to discuss how Delaware County utilized its detailed GIS to identify all living quarters in the County as part of the Local Update of Census Addresses (LUCA) program, Washington D.C. 1997
- Published several articles in local, national and international GIS & non GIS publications including the New York Times, the National Public Radio’s “All things Considered” (1989-present)
- Many presentations at the Ohio GIS, Ohio Land Record Conference, URISA, and ESRI conferences (1989- present)
- Have held 11 successful GIS Day events 1999 – present
- Have contributed to several other National Academy of Sciences (National Research Council) books and reports:
  - The 2000 Census: Interim Assessment, 2001
  - Planning the 2010 Census: Second Interim Report, 2003
  - The 2000 Census: Counting Under Adversity, 2004
  - Reengineering the 2010 census: Risks and Challenges, 2004
  - Licensing Geographic Data and Services, 2004
  - Elevation Data for Floodplain Mapping, 2007

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## References

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- Available upon request