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CAREER MISSION

-Always looking for ways to apply problem solving techniques to land use decisions. Efficiency is built with systems integrations and smart business workflows. Humankind excels with location intelligence; geospatial data science permits this type of service through the lens of a geo-humanist.

PROFESSIONAL QUALIFICATIONS

- Over nineteen years of practice with GIS application development, project management, and spatial modeling. Experience at every scale of a GIS implementation; from small personal systems to multi-user cloud hosted environments.
- Six years of service as a City of Ypsilanti Planning Commissioner, focused on site plan review, economic development, the fair application of policy, and improving the city's non-motorized transportation network.
- Elected to the Michigan IMAGIN Board of Directors, 2nd Term, Chair of the Pro-Dev Team, 2019-present.
- Certified Geographic Information Systems Professional (GISP), GIS Certification Institute, 2007-present.
- Advanced exposure to Excel, Access and Pivot Tables. ESRI ArcGIS Pro, ArcGIS Server/Enterprise, AutoCAD, SQL Server Management Studio, SSRS, SSIS, Visual Studio, Microsoft Azure, QGIS, Azteca Cityworks, Adobe Photoshop, and BS&A tax assessment systems. Computer programming proficiency in Python, SQL, VB, JavaScript, Powershell, HTML, XML and Arcade. Field surveying techniques include Trimble GPS systems, ESRI ArcPad/Collector, Brunton field compass mapping, leveling, and the review of property survey descriptions.

RELEVANT EXPERIENCE

2017-current City of Ann Arbor, MI – Information Technologies Division

-Senior Application Developer, for the Information Technologies division of Ann Arbor City. Systems integration of disparate business applications into a spatial platform. Outreach around city mapping initiatives. Strategic planning lead of the City's spatial technology plan. Mobile web application development. Map server administration. Spatial database administrator. Big data visualizations through map dashboard design. Responsible for the City parcel management strategy.

2010-current Adjunct Lecturer, University of Michigan & Eastern Michigan University

-Teach self-contained courses ranging the basic principles and advanced spatial analytic principles of GIS to undergraduate and graduate students. Course material consists of creating digital maps and charts, use of web data sources, coordinate systems, methods of geo-referencing digital maps, database management, and spatial analysis. Curriculum design and maintenance, researching new trends in the geospatial discipline for inclusion in coursework.

2002-2017 Washtenaw County, MI – Office of the Water Resources Commissioner

-Assessment Mapping Supervisor, for the Water Resources Commissioner. Mapping and database integration was used for tax assessment and asset management. Oversight of the editing of data layers, geodatabase designs, layer conversions, and hydrologic modeling. Served as Azteca Cityworks administrator. Duties also included the maintenance of legal descriptions, easements, GPS field data collection, and presentation mapping. Supervision, project management, and career development of subordinate staff.

EDUCATION

1994-2000 -B.S. Geography, Eastern Michigan University

2001-2003 -M.S. Geographic Information Systems and Land Use Planning, Eastern Michigan University