

# ROBERT SMITH

## Associate GIS Specialist

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3 years experience in geological exploration industry and 5 years experience in GIS. Experience in ultrasonic data processing, signal processing and decomposition. Proficient with ArcGIS, Matlab and experience with AutoCAD, ENVI, MS Project. Experience in providing topographic and geologic maps.

## EXPERIENCE

### Associate GIS Specialist

#### ABC Corporation - DECEMBER 2006 - JULY 2009

- Managed all GIS projects involving water and wastewater management, land use planning, and transportation.
- Responsible for the creation and updating of Comprehensive Plan mapping for local municipalities and establishing working relationships with local municipalities and agencies for data sharing and cooperation.
- Performed soils mapping and analysis to determine potential spray fields based on soil infiltration rate.
- Created soil suitability maps to assist in Act 537 planning.
- Charged with the conversion of AutoCAD data into GIS format using ArcToolbox.
- Oversaw maintenance of GIS data library, including creation and editing of shapefiles, geodatabases, and acquisition of spatial data.
- Participated in various planning meetings such as township park layout design brainstorming sessions.

### GIS Specialist

#### ABC Corporation - 2002 - 2006

- I was responsible for maintaining records for all public works departments including water, sewer, drainage, street, & solid waste.
- This position requires me at times to travel into the field to GPS locations using Trimble Geo-XH GPS unit.
- Provide record copies or produce documents as needed where available and when applicable upon request; maintain other departmental records as assigned; review and prepare maps and geographical record materials for entry into G.I.S.
- and CAD layers including water, sewer, drainage, transportation, street, solid waste, and other defined layers; perform design drafting work as needed.
- This job required daily contact with other City departmental staff, citizens, engineers, consultants, and land owners.
- During my time as a GIS Specialist I entered all record drawing file numbers into all city maintained water, sewer, drainage, and street

layers, created internal webpage for viewing record drawings, surveyed local lake to create contour data.

- Skills Used I used ESRI Arc Map on a daily basis with the spatial analyst extension, trimble GeoXH gps unit for different projects, Designed engineering details using AutoCad as needed..

## **EDUCATION**

- M.A. in Geography - January 2004(West Chester University - West Chester, PA)

## **SKILLS**

ArcMap 10, ArcInfo 9.x, ArcToolbox, 3-D Analyst, Spatial Analyst, HEC-GeoRAS, X-Tools, MapInfo, ERDAS Imagine, Trimble GPS.