



Scott Smith

Principal / Senior CAD/GIS Specialist

EDUCATION

State University of New York (SUNY), Geneseo, NY

Bachelor of Arts Degree, with a Major in Geography and a Minor in Environmental Studies – May 1994

EMPLOYMENT HISTORY

May 2010 – Present

Lakeside Environmental Group, LLC. – South Burlington, VT

Principal – Senior CAD/GIS specialist

- Drafting and customized mapping development of design plans to meet local and State permit requirements.
- Topographic surveying for planning and development of small and large scale subdivisions, environmental and civil engineering plans and water supply and wastewater system design.
- GPS data collection and integration into design plans and maps.
- Complete site evaluation including test pit soil analysis, percolation testing, identifying potential environmental impacts, locating suitable sites for water supply sources and wastewater disposal systems.
- Full plan and profile creation of 3D surfaces used for slope analysis, grading, stormwater design and construction material quantification.

February 1997 – May 2010

Heindel & Noyes, Inc. - South Burlington, VT

Senior CAD/GIS/GPS & Survey Technician

- Served as primary GPS and survey technician for field mapping, and topographic Land Surveying with use of Nikon Total Station for purposes of developing engineering designs, site analysis, and planning.
- Completed design plans meeting local and State permitting requirements while working with engineers and planners as the lead CAD/GIS technician.
- Worked closely with hydrogeologists and staff scientists to collect data and assist with hazardous soil and groundwater contamination plans, remediation system design and exhibit preparation.
- Assisted with the development of a digital database integrated into a customized GIS interface offering official flood determination services to lending institutions throughout the State.
- Completed GPS field mapping for numerous infrastructure inventories for municipalities and utility companies for use in a customized Asset GIS package.

- Conducted field geophysical investigations using VLF and Magnetometer instrumentation for locating subsurface water bearing fractures and potential water supply well sites.
- Worked with ski areas conducting GPS field mapping to assist with trail design, sensitive habitat areas, and environmental conditions and produced necessary maps and plans for recording in State permit applications.
- Worked closely with attorneys and real estate appraisers to analyze site specific data and develop maps and plans to help evaluate development potential and value.
- Produced municipal parcel mapping, deed research, and GIS database development.
- Completed site evaluations including test pit soil analysis, percolation testing, identifying potential environmental impacts, locating suitable sites for water supply sources and wastewater disposal systems.
- Served as primary GIS Technician for two year highway mapping project with VAOT, and converted VOAT paper maps to multi-layer, digital format using ARC/INFO. Performed quality control and assurance of finished digital maps. Assisted in design of custom ARC/INFO interface for maintaining and updating VAOT maps.

April 1995 - September 1996

Center for Governmental Research (CGR) – Rochester, NY
GIS Research Assistant

- Provided technical services in GIS and database development and maintenance.
- Assisted in the coordination of Corporate Street Index Files with the Master Street Address Guides of the various E-911 systems throughout the Western New York Finger Lakes Region.
- Updated and enhanced the U.S. Census Bureau's TIGER Files for the local region.
- Combined data from records of multiple sources to produce water and sewer maps, zoning maps, accident reporting maps and Town base maps.
- Performed GPS field mapping and address matching for use in E-911 database.
- Assisted with successful installation and implementation of a GPS base station.

May 1995 – September 1996

Unitrac Energy Management Co. – North Chili, NY
Electrician's Assistant

- Provided part time assistance in the installation of modern, environmentally safe and energy efficient lighting systems, reducing by 66% the amount of energy devoted toward electric lighting.
- Installed new fixtures, energy efficient ballasts and low wattage lamps in major office buildings, industrial buildings and schools throughout the Greater Rochester Area.
- Recycled and re-used many valuable components.
- Provided training for new employees.

PROFESSIONAL LICENSE

Licensed Designer #521-B - Vermont Agency of Natural Resources (ANR), Department of Environmental Conservation (DEC), Wastewater Management Division. Licensed to evaluate and design potable water supply and wastewater disposal systems and permits for single-family residential development and subdivisions.