

**Travis James Peterson**  
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**Professional Experience**

**Solar Trust of America, Oakland, CA      June 2010 – December 2011**

**Geographic Information Systems / Data Analyst**

- Developed and Managed Solar Trust of America's Geographic Information System (GIS)
- Provided geo-spatial solutions and cartographic support for solar project development
- Determined potential locations for project development considering environmental, cultural, historic, governmental policy, land ownership, and land surface
- Assisted in site acquisition and development of additional project sites through due diligence of site specific conditions including electric transmission, land zoning, solar radiation, flood zone, easements, parcel ownership/status, and land surface
- Prepared and presented information to assist with planning and development of current and future project sites
- Coordinated with land owners, engineers, and legal counsel to establish locations for remote measurement stations
- Acquired, processed and managed geo-spatial and climatological datasets
- Represented Solar Trust of America with vendors regarding geo-spatial solutions
- Set up, relocated and adjusted remote measurement stations
- Collaborated with business partners and consultants on projects including GIS, Geotechnical, and Site Development
- Developed system to accurately maintain historical record of GIS projects
- Derive raster and vector data from imagery, data tables, and hard-copy documents
- Created and maintained metadata

**Frontline Energy Services, Walnut Creek, CA      August 2009 – July 2010**

**Geographic Information Systems Technician**

- Performed analysis to update existing utility databases with ArcGIS, AutoCad, and MicroStation from disparate data sources
- Created customized cartographic products for distribution to Pacific Gas & Electric executives
- Updated utility operational maps and diagrams
- Prepared metadata and documented workflow
- Maintained historical records database for completed project
- Provided data management and technical support
- Automated aspects quality control for cartographic products

**City of Portland, Bureau of Environmental Services, Portland, OR      April 2007 – July 2009**

**Engineering Intern- Geographic Information Systems**

- Constructed custom cartographic products
- Conducted geo-spatial analysis for watershed groups, planners, and engineers
- Created, edited and maintained personal and file geographic databases
- Provided technical assistance for geographic information systems programs
- Planned and conducted surveys using global positioning systems
- Perform data conversion to geographic databases from disparate data sources
- Derived raster and vector data from imagery, data tables, and hard-copy documents
- Created and maintained metadata and work flow documentation

**Tele-Atlas North America, Menlo Park, CA      July 2001 – November 2004**

**Source Material Coordinator, November 2003 - 2004**

- Managed and developed business relationships with Geographic Information Systems (GIS) data providers

- Developed methodology for GIS data quality assurance quality control
- Developed processes to update existing GIS database
- Managed GIS data editing and data entry projects
- Conducted research regarding available source data
- Provided technical GIS support to production specialists
- Created and maintained GIS databases
- Created a web mapping application (ArcIMS) to efficiently deliver spatial data information

Production Specialist, June 2003 – November 2003

- Managed Geographic Information Systems (GIS) database attribute population
- Coordinated with field staff to update and disseminate field collection methodology
- Performed quality control on GIS databases
- Prepared metadata creation and documented workflow for GIS

Field Data Collector, July 2001 – June 2003

- Planned Global Position Systems (GPS) field data collection surveys
- Performed field data collection to create and update Geographic Information Systems (GIS) databases using survey grade GPS equipment
- Coordinated with local government and private organizations to obtain GIS source data
- Prepared written reports regarding field collection operations
- Managed the GIS field data collection budget
- Developed and enacted quality assurance and quality control procedures for GIS data collection

**United States Marine Corps Topographic Intelligence**

**August 1996 – May 2001**

Production Chief, May 2000 - 2001

- Trained and supervised all personnel in topographic intelligence section
- Created Geographic Information System (GIS) training regiment for all junior intelligence staff
- Developed quality assurance and quality control procedures for GIS
- Coordinated interagency intelligence analysis in military exercises
- Developed and managed system for document control for GIS project and data
- Maintained control and documents chain of custody for sensitive information

Topographic Intelligence Specialist, August 1996 – May 2000

- Performed quality control and quality assurance of all Geographic Information System (GIS) products
- Conducted geodetic and global positioning system surveys on government facilities
- Supplied geographic intelligence products and presented briefings for commanders
- Conducted geospatial analysis and maintained GIS databases in support of tactical operations
- Created Arc Macro Language scripts in order to facilitate automated GIS spatial analysis
- Perform multi-spectral image analysis utilizing ERDAS Imagine
- Derived raster and vector data from imagery, data tables, and hard –copy documents
- Create and maintain metadata and work flow documentation

**Education**

**Portland State University**

Bachelors of Science awarded August 2009 – Cum Laude, Overall GPA: 3.70

Major: Environmental Studies Minor: Geography

## Academic Honors

- Ronald E. McNair Scholar - 2009
- Tau Sigma Honor Society - 2008
- National Deans List - 2008
- Phi Theta Kappa Honor Society – 2007

## Defense Mapping School

### Geographic Information Systems (GIS) Certificates

- Advanced Topographic Analysis, May 2000
- Basic Topography, October 1997

## Certification

- Geographic Information Systems Professional; GIS Certification Institute; GISP – 00065172

## Academic Research

- [The effects of road culverts on the benthic macroinvertebrate community in a wadeable lotic ecosystem.](#) **Ronald E. McNair Scholars Research.** Under direction of Dr. Yangdong Pan, Portland State University, 2009. Published in the 2010 PSU McNair Online Journal, Volume 4.
- *The effects of physical disturbance on the colonization of aquatic insects in the Pacific Northwest.* **Methods in Macroinvertebrate Biomonitoring.** Portland State University, 2008.
- *Investigation of forest microclimates.* **Independent Study Course.** Under direction of Dr. Tom Robertson, Portland Community College, 2006.

## Conference Presentations

- *Effects of a road culvert on the benthic macroinvertebrate community in a wadeable lotic ecosystem.* **The Ronald E. McNair Conference,** University of Portland, Portland Oregon August 12, 2009.
- *Investigation of the effect of a road culvert on the benthic macroinvertebrate community in a low-gradient lotic ecosystem.* **The Undergraduate & Ronald E. McNair Research Conference,** University of Portland, Portland Oregon May 21, 2009.