

# Jonathan W. Partsch

Lafayette, California

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*Geographic information systems (GIS) developer and analyst with over 16 years of progressive experience with ESRI and other GIS platforms combining environmental and engineering GIS, including scripting and programming in various languages, and over 13 years of professional experience in environmental remediation and monitoring.*

## Professional Experience

### **Project Geologist and GIS Analyst**, Gilbane Federal, Concord, California (October 2008 to July 2016)

- Managed the design, development, and delivery of hundreds of GIS map figures to support environmental remediation and monitoring projects focusing on the cleanup of petroleum-related contaminants with the US Navy (NAVFAC)
  - Awarded Commendation for Outstanding Performance, Corrective Action, Hunters Point Shipyard
  - Awarded Commendation for Outstanding Performance, Time Critical Removal Action, Hunters Point Shipyard
- Successfully developed and implemented, using VBScript, a tool for tabular display of point feature attribute data in ArcMap that led to increased efficiency and reduced labor expenses on multiple projects by reducing the turnaround time for figure changes from two days to a few minutes
- Contributed to successful marketing efforts by using GIS as a level of effort and cost estimation tool
- Supported various environmental projects in roles as air and groundwater sampling technician, environmental sampling team leader, health and safety manager, quality control manager, subcontractor manager, and GIS specialist
  - Received client praise as environmental sampling team leader at a municipal groundwater contamination site in southern California
- Authored draft technical reports in support of environmental investigations and site closures at a large client facility, and provided technical review and comment on draft reports for various other projects

### **Project Geologist and GIS Analyst**, SAIC, Oakland, California (July 2003 to July 2006)

- Managed GIS map figure production to support reporting for monitoring programs at industrial sites of a major commercial client
- Created GIS and computer-aided design (CAD) work products to support EPA Superfund enforcement, including plat maps in AutoCAD from legal descriptions of property

### **Project Geologist and GIS Analyst**, SAIC, Dublin, Ohio (July 2001 to July 2003)

- Successfully learned ESRI ArcView 3.2, ArcMap 8.1 and ArcInfo (command-line) using software tutorials and online resources over several weeks to develop skills in response to project needs
- Assisted in the development of various GIS work products from simple map figures to a complete GIS environmental programs at a client facility
  - Awarded commendation from client for outstanding performance in completion and delivery of a major infrastructure and environmental GIS deliverable
- Created and edited landfill design drawings in AutoCAD
- Managed a relational database of environmental data in Microsoft Access for a large client project site

**Intern**, *Ohio Department of Natural Resources, Division of Geologic Survey*, Columbus, Ohio  
(May 2000 to January 2001)

- First exposure to GIS-like mapping environment using MicroStation SE to digitize locations of wells in Ohio and to construct geologic cross-sections
- Analyzed borehole geophysical logs to determine stratigraphy in support of cross-section construction
- Successfully applied methods of optical mineralogy learned in college course to perform petrologic analysis of Precambrian basement rocks in Ohio

## Education

**Graduate Study (non-degree) in Geologic Sciences**, The Ohio State University, Columbus, Ohio

- Floodplain inundation and drainage modeling using ENVI
- Stream channel modeling using ESRI ArcMap
- GIS programming in IDL
- Coursework in wetland ecology and environmental impact assessment

**Bachelor of Science in Geology**, Wittenberg University, Springfield, Ohio

- Minor in biology with an emphasis in ecology

## Registrations | Certifications | Training

Registered Professional Geologist (PG), California, Certificate #GEO 8914

HAZWOPER 40-hour Initial Training and 8-hour Annual Refresher Training

OSHA 30-hour Construction Safety Training

USACE Construction Quality Management for Contractors (CQM-C)

CPR, First Aid, and Automated External Defibrillator (AED)

## Additional Skills

Windows, Linux and Unix operating system proficient

Software proficiency includes:

- |                     |                |                          |
|---------------------|----------------|--------------------------|
| • Microsoft Office  | • AutoCAD      | • ArcGIS Desktop 10.x    |
| • Adobe Acrobat Pro | • ENVI         | • ArcGIS Spatial Analyst |
| • Adobe Photoshop   | • RiverTools   | • ArcGIS 3D Analyst      |
| • Adobe Illustrator | • MicroStation | • gINT                   |

Programming language proficiency includes:

- SQL, VBScript, Python

Programming language experience also includes:

- Microsoft Visual Basic for Applications (VBA), IDL