

Technical Skills

GIS:

- ESRI Advanced ArcGIS (ArcInfo) 10.2
- CAD integration
- Data driven pages
- Federal Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE)
- Federal Metadata Standards (FGDC)
- Use of Python scripts
- KML generation
- Maplex

CAD:

- Microstation (V8)
- AutoCAD (2010)

GPS:

- Data collection, post-processing, reprojection and conversion to GIS
- Trimble GeoExplorer 6000 receiver
- Trimble Pathfinder Office 5.10

GRAPHICS:

- Adobe Illustrator, Photoshop, Acrobat Professional

WEB:

- HTML, PHP
- Adobe Dreamweaver

PLATFORMS:

- Windows, Mac, Unix/Linux

EDUCATION:

- **GIS/GPS Certification**
Diablo Valley College
Pleasant Hill, California.
- **MA**, California College of the Arts (CCAC), Oakland, California
- **BA**, University of Washington
Seattle, Washington.

AFFILIATIONS

- Bay Area Automated Mapping Association (BAAMA)
- Open Data Consortium (ODC)

Professional History

April 2016-Present: - Distribution Operations Analyst - PG&E, Concord, CA

- Contract position with Advanced Leak Detection.
- Produce maps from data generated by vehicle-mounted methane sensors.
- Utilize Python scripting, process models, and data driven pages.

2015-2016: - Technical Analyst - PG&E, San Ramon, CA

- Contract position with Asset Knowledge Management department in Gas Operations.
- Use GIS, Google Earth, parcel data, aerial photography, and other tools to determine use and occupancy of structures near transmission lines.
- Population density data will be used to designate Pipeline Maximum Allowable Operating Pressure (MAOP) and other safety-related properties.

January 2015: Map Illustrator - Apple Inc., Cupertino, CA

- Contract position producing illustrations for mobile app team.

2008-2014: GIS Analyst - Lawrence Livermore National Laboratory/Weiss Associates, Livermore, CA

- Produced hundreds of maps for Federal regulatory reports and numerous smaller projects.
- Delivered publication-quality maps from GPS, Python scripting, ArcSDE, CAD, and tabular data.
- Performed differential correction, transforming GPS into high-accuracy maps.
- Responsible for quality control of GIS and GPS data for high-visibility projects.
- Maintained Trimble Geo6000 GPS receiver software and hardware.

2007-2008: GIS Technician - City of San Francisco Public Works Department, San Francisco, CA

- Geoprocessed multispectral data for San Francisco land surfaces. Output to GIS feature classes and provided detailed workflow documentation.
- Updated AutoCAD and GIS infrastructure from legacy drawings in Oracle database.

2007: Content Management Assistant - East Bay Regional Park District, Oakland, CA

- Gathered requirements for document management initiative.

2006-2007: GIS Technician - MACTEC Engineering, Oakland, CA

- Produced maps from AutoCAD and groundwater models. Converted former Fort Ord military base GIS to a Federal Spatial Data Standards (SDSFIE)-compliant geodatabase.
- Provided Federal Geographic Data Committee (FGDC)-compliant metadata.

2005-2006: GIS Technician - Camp Parks U.S. Army Training Center, Dublin, CA

- Converted existing system of shapefiles into a centralized geodatabase

for the Public Works Department.

- Collected GPS infrastructure data throughout the facility, and integrated into GIS.
- Implemented Federal SDSFIE and metadata standards for entire dataset.
- Contributed to completeness of the collection by obtaining electronic as-builts from City of Dublin and local developers.

2004-2007: Webmaster - *Bay Area Automated Mapping Association*
<http://www.baama.org>.

2002-2003: Web Content Management and Portal Support - *Chevron Information Technology Company, San Ramon, CA*

- Provided training to internal portal customers, including Chevron CIOs.
- Served on team to select enterprise content management tool.

1998-2002: Microstation CAD Technician - *Chevron Overseas Petroleum, Inc., San Ramon, CA*

- Produced exploration/production maps and technical displays.
- Imported facility and pipeline data from engineering drawings.
- Processed well log data for stratigraphic and structural cross sections.
- Worked with satellite imagery under the auspices of Remote Sensing department.