

Mark Lightner, GISP

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PROFESSIONAL EXPERIENCE

AECOM - Water, Oakland, CA

2014 – Current

GIS Specialist

- Support engineering team in analyzing data and creating informative maps.
- Create custom tools and applications using ArcGIS suite of tools and Python (ArcPy).
- Design and manage project specific geodatabases, including SDE's, for internal use and delivery to clients.
- Automate tasks to expedite projects as well as facilitate QA/QC.
- Develop raster analysis methods to more accurately predict coastal inundation.
- Responsible for spatial database development and administration for various projects.
- Design informative maps utilizing complex datasets while maintaining cartographic principles.
- Manage project workflow within GIS team.

City of Oakland - Public Works Agency, Oakland, CA

2011 - 2014

Bicycle Facilities Student Trainee

- Assisted Bicycle and Pedestrian Program in implementing the Bicycle Master Plan.
- Designed and maintain a bicycle facilities web map (<http://sfgis.com/bikemap/>).
- Designed and implemented new bicycle facilities utilizing field work and GIS.
- Responsible for database management of bicycle facilities.
- Digitized City of Oakland bicycle network to be compatible with Network Analyst.
- Assisted engineers in bicycle specific street striping using AutoCAD.

Skates on Haight, Inc., San Francisco, CA

2009

Web Development / Inventory Manager

Independent Contractor, Bay Area, CA

2007 - 2011

Marine Electrician / Networking Specialist

West Marine, Sausalito, CA

2005 - 2007

Assistant Manager

EDUCATION and CERTIFICATION

GIS Certification Institute, Professional Certification

2016

Geographic Information Systems Professional (GISP)

San Francisco State University, San Francisco, CA

2013

Bachelor of Arts, Geography; Urban Environment, Transportation, & Land Use

City College of San Francisco, San Francisco, CA

2012

Certificate of Completion in Geographic Information Systems

SUMMARY OF TECHNOLOGY PROFICIENCIES

- **Database Management Systems:** MS Access, MySQL, Oracle, PostGIS
- **Languages (& Markup):** CSS, HTML, Java, JavaScript, KML, PHP, Python, SQL, XML
- **Software:** Adobe Creative Suite, ArcGIS, AutoCAD, GRASS, MS Office Suite, QGIS

PORTFOLIO

<http://sfgis.com/portfolio.html>