

# David Lutz

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## Summary

To obtain a full-time position working in an interactive and challenging environment

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## Skills

ArcGIS(x8,x9), ArcMap 3D Analyst, ArcPad, DFIRM Tools, River Systems, ENVI, SPSS, AutoCAD, MS Access, Adobe Photoshop, PowerPoint, InDesign, BIM, SketchUp, Adobe Illustrator, HTML, CSS, Google Earth KML, OPS, Public Trust Security Clearance, Visio, MS Excel, MS Word

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## Experience

### **Consultant at DL Planning Technologies**

Architecture & Planning, 0-10 employees

**09/2008 - present**

- Consultant to the Office of the Chief Tecnology Officer-OCTO for GIS broadband mapping
- Facilitated as the GIS Subcontractor for Transportation Management Services for ArcGIS map production
- Responsible for QA/QC of MFR transportation studies supporting Foursquare Integrated Transportation Planning
- Constructed maps using ArcGIS software to illustrate trip generation distributions by geocoding
- Directed planning organizations on GIS software and database management
- Implemented GIS and data management systems to bridge GIS and SAS programs
- Advised CSOSA of mapping software and products to improve crime statistical mapping technologies
- Created workflow charts and plans for organizations to implement a GIS program
- Tutored interior designers in SketchUp

Major Projects: DCGIS Broadband Mapping, MDOT MFR Study, Huntington Beach Transportation Study, MSV Mapping, Century City Employee Distributions, CSOSA GIS Implementation to map Crime Statistics

### **Planner II at Michael Baker Jr., Inc.**

Architecture & Planning, >200 employees

**11/2007 - 04/2010**

- Analyzed and compiled demographic data and physical factors affecting land use, development, and site design for the US Coast Guard, Army, and Navy
- Utilized ArcGIS, AutoCAD, InDesign, River Systems, and DFIRM Tools to create maps for planning reports and FEMA flood mapping projects
- Devised and recommended arrangements of land and physical facilities for recreational, commercial, industrial, aviation, and other urban uses
- Developed efficient site and building design strategies for the organization by implementing the use of BIM technologies on projects
- Collaborated with personnel to design buildings and sites with BIM software
- Assisted designers in drafting concepts for recreational, transportation, aviation, and building design
- Created maps using 3D Analyst for slope and elevation modeling
- Led Quality Assurance/Quality Check efforts for FEMA flood mapping projects using River System and DFIRM Tools
- Produced financial analysis for planning reports using Excel

Major Projects: USCG Support Center Elizabeth City Master Plan, Vine Street Urban

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Development Plan, DFMWR SERO Recreational Strategic Plan, EMOC Site Slope Analysis, DFMWR SERO Indoor Recreational Facility Master Plan, NAVFAC ILS-Europe Study, FEMA Flood Mapping, BIM Storm Alexandria

**Program Assistant, Information Systems at Downtown Business Improvement District**

Non-Profit Organization Management, 50-200 employees

**03/2005 - 11/2007**

- Managed GIS databases to improve the BID's GIS to have a complete mapping system to include streetscape, economic development, transportation, land parcel, and event planning information of downtown Washington, DC
- Monitored and managed GIS data collection projects
- Bolstered data sharing partnerships with other Washington, DC citywide organizations
- Assisted landscape architect with sidewalk beautification and design projects
- Trained maintenance personnel to use ArcPad computer software to collect GIS field data
- Crafted presentations using 3D Analyst
- Established a data collection schedule and workflow plan for GIS mapping production
- Trained staff to use MS Excel, Outlook and Word proficiently
- Supported IT Manager in computer hardware, software and server troubleshooting

Major Projects: Center City Action Agenda, Washington, DC Curbside Management Planning Initiative

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## Studies

**BA Geography with a Minor in GIS at George Washington University**

College

**08/2001 - 05/2005**

Oversees Study in Urban Planning and Geography at University of New South Wales, Sydney, AU