ELISE A. FISHER, MS, GISP

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I have 26 years of geospatial analysis and cartography experience and am certified as a Geographic Information Systems Professional (GISP). I have significant experience in ESRI's ArcGIS suite of geospatial tools, project management, client relations, and geospatial analysis.

EDUCATION, CERTIFICATION & AFFILIATIONS

APPALACHIAN STATE UNIVERSITY, Boone, North Carolina   **1997**
Bachelors of Science, Geography and Planning - Concentration in Geographic Information Systems

GEORGE MASON UNIVERSITY, Fairfax, Virginia   **2004**
Master of Science, Geographic and Cartographic Sciences

CERTIFIED GEOGRAPHIC INFORMATION SYSTEM PROFESSIONAL (GISP) – GIS Certification Institute
Initial Certification   **2008**
Recertifications   **2013, 2018, & 2021**

AMERICAN ASSOCIATION OF GEOGRAPHERS (AAG)

URBAN AND REGIONAL INFORMATION SYSTEMS ASSOCIATION (URISA)

SOFTWARE

Proficient	Working Knowledge	Familiarity
ArcMap 10.8.2/ArcGIS Pro 3.1.2	Other ArcGIS Extensions:	ArcGIS HUB
Extensions: Network Analyst & Spatial Analyst	3D, Geostatistical, Business Analyst & ModelBuilder	ArcGIS Story Maps,
Street Network generation and manipulation	Python - ArcPy	Dashboards, Survey 123
Geodatabase	ArcGIS Online	ArcGIS Indoors, BIM
ArcSDE	MS Access	
HTML	SAS/Oracle	
KML		
SQL		
Microsoft Office Suite		

PROFESSIONAL EXPERIENCE

EF GEOGRAPHIC, LLC
Owner/Analyst   **June 2008 - Present**

- GIS project management, project coordination, GIS Analysis, database administration, data QA/QC, and business administration
- Customized creation, modification, display, reporting, and analysis of geographic information with GIS software for clients.

Current Consulting Roles:	
Senior GIS Analyst - FireStats, Inc.	January 2013 - Present
Director of GIS Technical Services - StreetWise/CADlink	September 2013 - Present
GIS Analyst – Facets Consulting	February 2015 - Present
GIS Analyst – Public Safety Resource Management	August 2017 - Present
Previous Consulting Roles:	
Associate - Emergency Services Consulting International	May 2010 - March 2020
Manitou, Inc.	October 2016 - March 2017
GIS Analyst for Todd LeDuc	March 2016 - May 2016
GIS Analyst for Don Collins	June 2015
GIS Analyst for Jack Krakeel	September 2013 - December 2013
Contracted GIS Analyst for Management Partners	April 2011 - July 2015

INTERNATIONAL ASSOCIATION OF FIRE FIGHTERS, Washington, DC   **March 2005 to June 2009**
GIS Analyst /Research Assistant
- Perform custom fire department analysis projects to assess response capabilities, staffing, deployment configurations, and Computer-Aided Dispatch (CAD) Data.
- Research and evaluation of potential GIS tools.
- Evaluate existing GIS analysis and work flows to recommend optimizations.
- Migration and transformation of current GIS analysis to implement new optimizations.
- Demonstrate and develop training documents for workflow migration and staff training.
- Maintain and manage ESRI GIS software and licensing for GIS staff.

ARLINGTON COUNTY, VIRGINIA GOVERNMENT, Arlington, Virginia   **January 2001 to March 2005**
GIS Analyst
- Support, design, and maintenance of Arlington County's geographic data using ArcSDE.
- Creation, distribution, and quality assurance of geographic data for Arlington County employees and citizens.
- Custom design, development, implementation, and training of interactive internet mapping applications based in ArcIMS and OnPoint.
- Custom design and implementation of GIS analysis projects for various Arlington County departments.
- Overall maintenance of Arlington County's GIS web site, including the creation of downloadable GIS data.
- Creation of Arlington County wide metadata.
- System-wide transformation of GIS data from NAD 27 to NAD 83.

INDUS CORPORATION, INC., Vienna, Virginia   **January 1999 to January 2001**
GIS Analyst/Web Developer
- GIS analysis and support for various private sector and federal government contracts including Mobil Oil, US State Department, and US Environmental Protection Agency.
- Cartographic design and production for various private sector and federal government contracts.
- Creation and modification of Interactive mapping application based in ESRI Map Objects code.
- Creation of web sites using HTML.

ROUTESMART TECHNOLOGIES, INC., Columbia, Maryland   **May 1998 to January 1999**
System Specialist
- Customer service representative for RouteSmart, a custom GIS routing software, focused on postal, newspaper, waste management, and utility meter reading operations.
- On-site and in-house trainer for RouteSmart software.
- Software manual and documentation creator and editor for RouteSmart software.

─────────── **PROFESSIONAL APPOINTMENTS** ───────────

NATIONAL ALLIANCE FOR PUBLIC SAFETY GIS (NAPSG) - IAFF   **2007-2009**
Member for **Workshops and Training** and **Credentialing and Standards** task forces.

─────────── **TEACHING EXPERIENCE** ───────────

Managing Public Safety GIS Workshop, Spokane, WA.   **April 2007**

─────────── **PUBLISHED WORKS** ───────────

"Contributing Factors to Firefighter Line-of-Duty Deaths in the United States," International Fire Service Journal of Leadership and Management vol. 2, no. 2 (2008), 3-23.

ESRI Website: ArcGIS Desktop: ArcGIS Pro/ArcMap: Analytics: Which site for the new station maximizes fire protection coverage?
https://desktop.arcgis.com/en/analytics/case-studies/which-site-for-the-new-station-maximizes-fire-protection-coverage.htm

─────────── **PRESENTATIONS** ───────────

ESRI International User's Conference, San Diego, CA, 2007 – "Intranet Integration of Public Works and GIS Information"

URISA Public Works Conference, Pittsburg, PA, 2002 – "Fire Suppression and Emergency Services Response Capabilities Analysis"

─────────── **VOLUNTEER WORK** ───────────

Grand Challenge sponsored by Defense Advanced Research Project Agency (DARPA)   **March 2004**

Arlington County Fire Department   **2001- 2005**

Development Assistant for the National Alliance for Public Safety GIS (NAPSG) Capability and Readiness Assessment Tool (CARAT)   **April 2010 – December 2010**