

Daniel Fourquet

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EXPERIENCE

Virginia Department of Transportation, Transportation Mobility and Planning Division, Richmond, VA— GIS Analyst

January 2018- PRESENT

My primary duty is to maintain the planning division's GIS data within the State Planning System. I also prepare data and maps for state meetings and to share with the public. I frequently create scripts and tools in python to improve the efficiency of our workflows.

Highlights

- Created an ArcObjects addin that helps editors create event tables for the LRS. The addin allows editors to pick the begin and end points visually in the dataframe and records the begin and end points in both XY and LRS measure values.
- Created a python addin that allows users to quickly search for a record in multiple tables.
- Helped to create story maps that highlight various planning projects.

Timmons Group, Richmond, VA— GIS Specialist

August 2010 - January 2018

I assisted in numerous projects to provide complete, accurate data for various clients using ESRI GIS software. My experiences within Timmons Group includes data editing, digitizing, QAQC, and field work. I demonstrated transferable leadership skills as the LRS centerline editing lead at VDOT from November 2015- May 2016 and tech lead of a New Mexico ROW digitization project from July 2016 to August 2017.

Highlights

- Updated and maintained VDOT LRS data. Coordinated with VDOT staff to maximize data quality. Distributed work between 4-6 centerline editors to efficiently achieve high priority goals.
- Contributed to workflow streamlining of various projects to improve efficiency.
- Created a python tool that automated QAQC tasks and created a table to review data.
- Updated parcel and ROW data from survey plats using parcel fabric and coordinate geometry for various counties and New Mexico; led a team of 4 technicians.

SKILLS

ArcGIS Desktop

ArcGIS Online

QGIS

Photoshop

Illustrator

GIMP

Language Proficiency

Novice

C# (ArcObjects)

Intermediate

Python (Arcpy)

SQL

HTML

CSS

JS

PROFESSIONAL CERTIFICATION

ESRI ArcGIS Desktop
Associate 10.1

ESRI ArcGIS Desktop
Professional 10.5

EDUCATION

MS, GIS and Web Map Programming

University of Wisconsin-Madison

In Progress (Expected May 2021)

BS, Geography

Old Dominion University

August 2010

-Geography Honor Society - President 2009-2010

-Fencing Club - Treasurer 2008-2009, President 2009-2010

GIS Certificate — *Old Dominion University, Norfolk, VA*