

Robbie Fusinato

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Talented GIS Technician who excels at using python and the ArcPy module to create tools that automate GIS processes. Seeking GIS opportunities in DFW.

Skills & Abilities

- Both Windows & Mac OSX proficient. Can use ESRI's ArcMap, and ArcCatalog software, ArcToolboxes(Analysis, Conversion, Data Management). Comfortable using the Internet, Microsoft Office Suite (Word, Excel, PowerPoint), Autodesk AutoCAD, Apple iWork (Pages, Numbers, & Keynote). Also, Adobe Photoshop, scanning technology, & HTML.

Experience

GIS TECHNICIAN | MCKIM & CREED | OCTOBER 2016 - PRESENT

- Assisted engineering staff by manipulating and producing GIS maps and data for various engineering projects using ESRI ArcGIS for Desktop software.
- Performed tasks including updating GIS stormwater and wastewater data with pipe elevations and inlet types interpreted from as-built civil engineering plans for use in hydrologic modeling, downloading and preparing FEMA National Flood Hazard Layers, SSURGO soil data, and NLCD Land Cover data for use in hydrological map exhibits and creating DEMs from LIDAR data to delineate hydrologic watersheds using the ArcHydro toolset.
- Developed Model Builder tools and Python scripts to edit vector, raster, and tabular data.
- Created new features classes and performed basic editing of features.
- Maintained a clean and organized file structure for spatial and non-spatial data.

Accomplishments

- Developed tool to automate the process of checking large scale contour data for topology errors by breaking it down into more than 1,500 segments performing topology checks on each one and combining the topology error results together for use with the original data.
- Developed tool set to automate the process of breaking down a large-scale contour data set into over 200 grid segments, create contour annotation features for each segment and add AutoCAD formatting fields before exporting each segment to an AutoCAD .dwg file.
- Developed tool to automate the process of preparing NLCD Land Cover data to determine the percentage of pervious and impervious land per watershed.
- Developed tool to automate the process of preparing SSURGO soil data to determine the percentage of each soil type per watershed.
- Developed tool to automate the preparation of ICM Model Terrain data used by engineering staff.

Education

COLLIN COUNTY COMMUNITY COLLEGE | PLANO, TX | DECEMBER 2016

- Major: Geospatial Information Science
- Introduction to Geographic Information Systems (GIS), Intermediate Geographic Information Systems (GIS), Introduction to Spreadsheets-Excel, Cartography and Geography in Geographical Information Systems (GIS) and Global Positioning Systems, Introduction to Raster-Based Geographic Information Systems (GIS)