Christopher Pierson

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Education

University of Wisconsin - Madison, Wisconsin   *(Expected Graduation: Summer 2020)*
Pursuing M.S. Cartography & GIS, UW-Madison GIS Professional Program

James Madison University - Harrisonburg, Virginia   *(Graduated December 2013)*
B.S. Geographic Science, Applied Geographic Information Systems Concentration
Humanitarian Affairs Minor

Professional Experience

Dewberry Engineers Inc.; Geospatial Analyst   *(October 2014 - Present)*
- FEMA Substantial Damage Estimator (SDE) Field Deployments – Texas (2016, 2017, & 2018), Louisiana (2017), Puerto Rico (2018), and U.S. Virgin Islands (2018)
    - Roles included team lead, data manager, and field inspector
    - Responsible for packaging, shipment, and distribution of all field devices and supplies
    - Daily assignment and tracking of home inspections for 7-20 two-person field teams
    - Coordination with FEMA personnel and local government officials to address location specific issues and to standardize collected data
    - Inspection data QAQC and feedback for all field teams
    - Daily progress updates and weekly data delivery to FEMA and local government staff
- Various remote disaster response
    - Flood area delineation using Synthetic Aperture Radar (SAR)
    - Preliminary determination of flood and/or wind damage using satellite and Civil Air Patrol (CAP) imagery
- Extensive topo and bathymetric lidar production in both MircroStation and ArcMap
    - Manual and macro LAS point cloud editing and validation
    - Breakline and bridge classification
    - Digital Elevation Model (DEM) QAQC
    - Horizontal, vertical, and swath accuracy assessment
- Loudoun Water GIS data capture and utility network editing
    - Imported surveyed water, wastewater, and reclaimed water point feature XY coordinates into GIS
    - Captured line features and non-surveyed points features using georeferenced record drawings
    - Point and line feature attribution and network validation
- High resolution terrain editing (HRTe) production, stereo-vision capable

Virginia Center for Wind Energy; GIS Intern   *(Summer 2012)*
- Initiated an ArcGIS for Flex online mapping application to display wind energy potential in Virginia alongside related geospatial layers
- Explored the economic, environmental, and political issues related to wind energy

Town of Purcellville, Virginia; GIS and Planning/Zoning Intern   *(Summer 2008)*
- Facilitated the migration of ArcView 3.x files to ArcMap 9.x
- Edited existing zoning maps and created basic maps for other town departments

Miscellaneous

- U.S. Citizen: Active FEMA Badge (2016) and Active DOD Secret Clearance (2014)
- 2016 Dewberry at Work Award
- 2011-2013 Vice President and President: JMU Club Hockey – National Collegiate Roller Hockey Association
- 2010-2011 Volunteer: Harrisonburg Refugee Resettlement Office

Applications

ESRI ArcGIS Platform 9.x and 10.x (ArcMap including all major extensions, ArcCatalog, ArcScene, ModelBuilder, ArcGIS Pro, ArcGIS Online, ArcPy), GlobalMapper, GeoCue, ERDAS Imagine, SOCET GXP, QGIS, ENVI, LP360, Quick Terrain Modeler, PCI Geomatica, Terrascan/TerraModeler for MicroStation CONNECT, Mapbox Studio, Microsoft Office Suite (Word, Excel, PowerPoint, Access, OneNote, Outlook), Google Earth, FEMA SDE, Adobe Suite (Illustrator, Premier, Photoshop), and Final Cut Studio.