

Kevin Piraino

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EDUCATION

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| 2014 -May 2016 | M.S. Geographic Information Science, <i>Michigan State University, East Lansing, Michigan</i> |
| 2010 - 2014 | B.S. Earth and Environmental Sciences, Human and Environmental Sciences, <i>Indiana State University, Terre Haute, Indiana</i> |

SKILLS

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| <u>Operating Systems:</u>
-Windows
-Linux | <u>GIS/Remote Sensing:</u>
-ESRI ArcGIS, ArcCatalog, ArcGIS Pro, ArcGIS for Server, ArcGIS Online, Arc Collector, Survey123, ArcGIS Hub site, Operations Dashboard
-Quantum GIS
-ERDAS Imagine
-eCognition
-AutoCAD
-Trimble GPS | <u>Statistics:</u>
-R Statistical Software |
| <u>Database:</u>
-PostgreSQL
-SQL Server | | <u>Programming Languages:</u>
-Python
-JavaScript
-CSS
-SQL
-HTML |

EXPERIENCE

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| Mar. 2018 –
Apr. 2020 | <u>GIS Analyst, DuPage County GIS Division, Wheaton, IL</u> <ul style="list-style-type: none">- Manage and create ArcGIS Server, AZURE SQL Server, GIS REST services, and ArcGIS Online content- Develop both custom and out of the box GIS web applications using ArcGIS Online to assist in internal and public information distribution- Manage and update legacy GIS web applications and tools- Manage and update DuPage County Hub sites (Opioid Awareness and COVID-19 Response) and any related GIS web applications- Work with various county departments to create custom GIS applications used for on site and in the field GIS data management- Leverage python and Microsoft Power Automate to review and process GIS data and notify users about GIS data updates |
| Feb. 2017 –
Mar. 2018 | <u>GIS Analyst, DuPage County Stormwater Division, Wheaton, IL</u> <ul style="list-style-type: none">- Creation and editing of stormwater floodplain GIS data using ESRI's ArcMap software and in-house custom GIS tools- Update the DuPage County Stormwater website- Add custom tools and functions to the DuPage County Stormwater website using HTML, CSS, and JavaScript- Manage stormwater SQL server, SDE databases, and ArcGIS Server- Manage and troubleshoot legacy GIS tools when needed- Create ETL and other python related GIS tools when needed |

- May 2016 – Feb. 2017 GIS Specialist, Bruce Harris & Associates, Batavia, IL
- Creation and publication of GIS Web Services via ArcGIS Online and ArcGIS for Server
 - Creation of ETL processes through the use of python for delivering updated data to relational databases that feed live web based GIS services to the public
 - Assist in management of SQL server databases for the use of web GIS services
 - Lead position for Special Projects department at Bruce Harris & Associates
 - Digital creation and analysis of spatial data for various special projects relating to many facets of local government
 - Lead and assist in Parcel Fabric data conversions and implementation for many small and large scale municipal entities
- Aug. 2015 – May 2016 Research Assistant, Michigan State University
- Quantifying vegetation change in Michigan critical dune areas
 - Use of eCognition to segment and classify aerial photography of Michigan costal dune fields
- May 2015 – Aug. 2015 GIS Intern, City of Naperville, IL
- Georeferenced and digitized homes, buildings, parking lots, roads, subdivisions, parcels, storm water infrastructure, and transportation data
 - Worked with team to create web maps and applications using ArcGIS Online & Arc Collector for transportation data collection
 - Created temporal parking rate maps for the city
 - Documented metadata and workflow for web application and data creation methods
- Aug. 2014 – Present Teaching Assistant, Michigan State University
- GEO 206 – Physical Geography: TA for course, created quizzes and tests, graded quizzes, tests, and other assignments
 - GEO 206L – Physical Geography Laboratory: Instructor for course, prepared lectures, administered tests, graded tests and lab assignments, led instructional field trips, taught non-GIS users basic GIS and ArcGIS tools and functions
 - GEO 221 – Introduction to Geographic Information: TA for course, graded quizzes and other assignments, technical assistance GIS related information
- May – Aug. 2013,2014 Seasonal Road Maintenance Crew, DuPage County Forest Preserve, IL
- GPS Mapping of storm water infrastructure in Forest Preserve Parks
 - Data management of GIS data in ArcGIS
 - Creation of storm water infrastructure maps
 - Sole employee responsible for GIS data collection and maintenance of storm water maintenance data in road crew

REFERENCES

Ashton Shortridge

- Advisor/Professor
- Michigan State University
- ashton@msu.edu
- 517-432-3561

Jim Lawlor

- Operations Manager
- City of Naperville, IL
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Colin Russell

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