Bishop Brozik

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portfolio: https://brozik.net/portfolio.html

West Virginia University*, Morgantown, WV*   Graduated May 2021

Bachelor of Science, Major in Geology, Minor in GIS

GPA: 3.93

Relevant coursework

- **Client-Side Web GIS**- studied client-side web programing languages and technologies as well as how to effectively use ArcGIS online to create web maps and apps
- **Open-Source Spatial Analytics**- Learned how to use R to conduct geographic and statistical analysis
- **GIS Science**- Learned how to use ArcGIS Pro to conduct intermediate raster and vector analysis
- **Geographical Data Analysis-** Learned how to use software such as ArcGIS Pro, GeoDa and Microsoft excel for the application of spatial and statistical analysis.

Recognitions

- Graduated Summa Cum Laude
- Outstanding senior for the Geology Department in 2021

Projects

Web Map Project, Indian Creek Watershed Association   March 2021 – December 2021

- Created thematic web maps using ArcGIS Pro and ArcGIS online to replace the client's previous map
- Developed and implemented a web page using ArcGIS Experience builder
- Performed table joins to join demographic data to census tract polygons

Accomplishments

- Curated and organized the raw data from the client in order to present a cohesive aggregated representation within data layers
- Created a user experience with the application that would scale properly when viewed in a desktop browser as well as on mobile and handheld devices

Professional Experience

West Virginia GIS Technical Center, Morgantown, WV

GIS Technician   October 2019 – May 2021

- Identified buildings and their occupancy classes from base map satellite imagery
- Relocated, created, and edited data points in ArcGIS Pro to accurately represent building location and appraisal information
- Performed quality control and quality assurance of building identification projects to ensure points and data are representative of their associated building locations and appraisal values
- Constructed attribute queries in ArcGIS Pro to query spatial data to find and fix errors
- Georeferenced more than 600 Department of Transportation maps to accurately represent physical locations of roads using ArcGIS Pro
- Utilized Adobe Photoshop to correct and enhance thousands of images of scanned Department of Transportation material
- Utilized Adobe Acrobat to create over 600 optimized PDFs of Department of Transportation material
- Performed quality control and quality assurance of more than 500 georeferenced Department of Transportation maps
  ### *Accomplishments*
- Implemented a spreadsheet solution to help interns keep efficient and accurate records of their work including time tracking

Mountaineer Zone, Morgantown, WV

Sales Associate   May 2019 – January 2020, September 2021- present

- Perform cash and credit transactions with speed and accuracy
- Assist customers with locating merchandise and answering questions
- Create displays that are visually appealing and catch customers attention
- Photograph merchandise for online advertising
- Manage social media to assist prospective customers online

Technical Skills

- Experience in digitizing data as well as conducting raster and vector-based analysis in QGIS and ArcGIS Pro
- Adept creating web maps, scenes and applications using ArcGIS Online
- Experience in conducting geospatial and statistical analysis using R
- Proficient in inputting, editing, and analyzing data in Microsoft office and google workspace