Alex Schneider

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Education and Coursework

The Ohio State University   *May 2021 (Expected Graduation)*
- B.S. Geography, Spatial Analysis Specialization

Relevant Coursework
- Geospatial Databases, Cartography, Spatial Simulation and Modeling in GIS, GIS Programming (in progress), Geovisualization (in progress)

Further Coursework   *December 2020- Present*
- Applied Data Science with Python - Coursera
- This five course specialisation covered machine learning, data visualisation, network analysis, etc using various Python libraries (e.g. Sklearn, Numpy, Pandas, and Matplotlib).

Work Experience

Undergraduate Research Assistant   *November 2020- January 2021*
- Used satellite imagery to classify cooling technologies for factories and power plants
- Developed strategies to best classify data with Dr. Yue Qin of OSU's Geography department

Sharp's Valet   *May- August 2018*
- Parked cars and kept records of locations, transmission types, and cash payments
- Retrieved cars in timely manner and provided exceptional customer service

Project Experience

Personal Portfolio GitHub Website   *December 2020*
- Created personal website hosted on GitHub using HTML and CSS
- Added QGIS project as Leaflet WebMap to site

ArcGIS Pro Suitability Analysis Lab   *December 2019*
- Determined most suitable location for building based on hypothetical client's criteria
- Considered proximity to known toxic sites, distance to roadways, noise concerns, and soil quality

Cryptocurrency Mining Stations   *July 2018- December 2019*
- Assembled and maintained three Linux based cryptocurrency mining computers
- Investigated and recorded pricing and computing power differences in workstation hardware

First Year Engineering AEV Project   *January- April 2017*
- Designed, constructed, and tested working Alternative Energy Vehicle
- Kept records of progress throughout the project, analyzed power usage and efficiency
- Developed and troubleshooted code, assisted in compiling project report

Skills and Tools
- Esri ArcGIS Pro 2.x, QGIS 2.x, SQL and PostgreSQL, Microsoft Access, NetLogo
- Python, HTML, CSS, Git, basic run-time analysis
- Linux, Ubuntu, Jupyter, Brackets, Microsoft Word, Excel

Service and Philanthropy

Serious Fun Children's Network
- Volunteered at Abercrombie & Fitch Challenge (2018 and 2019)
- Raised $13,000 through work as Corporate Outreach Chair for the Phi Kappa Tau Pumpkin Sale

Extracurriculars and Involvement

Phi Kappa Tau Fraternity, Gamma Chapter   *January 2017- Present*
Vice President of Alumni Relations (January 2018 - December 2018)
- Updated contact and address information for fraternity chapter roster
- Organized and hosted Alumni events such as dinners and luncheons