

# 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

*Historical Map Recreation Project*

*November 2020*

- Digitized and faithfully recreated historic map of the United States during the Civil War
- Utilized ArcGIS Pro and followed good cartographic principles to create map layout

*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