STEPHANIE YUNQI ZHANG

stephanieieieiezhang@gmail.com

HIGHLIGHT

- Personal Website: http://stephanieieieiezhang.com
- ESRI ArcGIS Desktop Entry Certificate; ArcMap, ArcCatalog, ArcGIS Pro, ArcGIS Online
- Skilled at geospatial data conversion, analysis and QA/QC procedure, and map production
- Experience with Javascript, Python, SQL, geodatabase, sqlite database and relational database

EDUCATION

UNIVERSITY OF ILLINOIS   Urbana-Champaign, IL
    Master of Science in Geographic Information Science   December 2017
    Illinois Professional Science Master's Concentration

UNIVERSITY OF TORONTO   Toronto, Canada
    Bachelor of Arts in Urban Studies   June 2014
    Minors in Geographic Information Science and German Studies

EXPERIENCE

HAOYA INFORMATION TECHNOLOGY   Guangzhou, China
Software Engineer   July 2018-present
- Develop desktop GIS tools to automate spatial data conversion and analysis using python
- Create national-wide 3d terrain base map in multiple scale levels, using MDOW hillshade tool and Pansharpening
- Develop python scripts to automate map service publishing and manage map services through arcgis server
- Update data and implement quality control in Oracle database, and manage spatial data in ArcSDE geodatabase
- Produce vector tile to create base map layer, create Mapbox style documents, and host vector tile through TileServer GL
- Participate in building interactive webmap project using Vue.js and Mapbox GL JS

DOW AGROSCIENCE   Urbana-Champaign, IL, US
GIS Intern   March 2017-December 2017
- Created high quality cartography, collected and managed GIS data, and developed scripts with Python and R to automate GIS map production
- Assisted with normalizing enterprise server database, applying database constraints, and developing python scripts to implement quality assurance/control for enterprise GIS
- Provided continuous improvement and support for web application through debugging, and reporting
- Used PowerBI to create interactive technical report for business intelligence purpose

ABUNDANT SOLAR ENERGY   Toronto, Canada
GIS Analyst   June 2016-November 2016
- Collected soil, zoning, and property information in Ontario, Canada, and Maryland, US
- Built models to automate site selection for solar farms, and decision making on project areas with ArcGIS and python script
- Built interactive web maps for project development tracking through ArcGIS Online

GUANGDONG ELECTRIC POWER DESIGN INSTITUTE   Guangzhou, China
GIS Intern   September 2015-December 2015
- Participated in electric network mapping for five provinces in south China
- Led the Point of Interests section, including raw data processing, model building with tools of Spatial Analysis and Generalization in ArcGIS, and subset selection through VB Script and FME techniques
- Finalized map products, created a mapping style, and produced tiles in different scales