

Zheng (Joe) Li

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Education

- Duke University - Durham, NC Dec 2014
Master of Engineering Management
- Wuhan University - Wuhan, China June 2013
Bachelor of Engineering in Spatial Information & Digital Technology

Relevant Experience

- Geodata Support Analyst, Esri** (Charlotte, NC) Since Mar 2017
- Resolve technical issues related to enterprise geodatabase using Esri tools and other related technologies.
 - Perform tests with development team to identify issues and log defects for software improvements.
 - Maintain comprehensive case documentation in customer relationship management (CRM) system.
- GIS Programmer/Analyst, City of Raleigh** (Raleigh, NC) Mar 2016 - Mar 2017
- Created and maintained web/mobile GIS applications and geospatial services to support internal, inter-departmental and external data requests and updates, improving efficiency, task performance and quality.
 - Composed python scripts for automating database management, geospatial and other tasks and maintained custom web-based documents management system to highly optimize workflow internally and externally.
 - Administrated versioned enterprise geodatabase to maintain millions of geospatial features, largely supporting public utilities asset management and services across city with 4.4 million populations.
- GIS Technician, Apple** (Cupertino, CA) Apr 2015 - Mar 2016
- Worked at Apple Maps team.
- Water Watch GIS/IT Assistant Intern, Appalachian Voices** (Boone, NC) May 2014 - Aug 2014
- Maintained water monitoring and testing data using ArcGIS and Google Map Engine to share spatial information with co-workers, and managed MySQL/PHP application, largely supporting outreach events.
 - Compiled 500 plus batches of data sheets of DMR (Discharge Monitoring Report) using VBA in Excel to filter duplicate information as evidences for campaign and possible legal actions against violations.

Relevant Projects

- GIS Analysis Project on Wind Farm Site Selection** (Durham, NC) Nov 2014 - Dec 2014
- Performed spatial analyses with geo-processing tools using ArcGIS Model Builder and Python scripts to select optimized site based on criteria including FAA, Avian and Protected Ridges Regulations.
- Research on Estimating Vegetation Biomass** (Wuhan, China) Feb 2013 - May 2013
- Compiled spectral data from surveys in Inner Mongolia Prairie using ENVI and built six regression models to evaluate the best fitting relationship between biomass and vegetation indexes, plotting models in SPSS.
- GIS Development Project on Typhoon Disaster** (Wuhan, China, Sponsored by Ministry of Education, NASMG and Zondy Cyber, won third place nationwide) May 2011 - Oct 2011
- Researched on typhoon and secondary disasters in southeast China coast, facilitating designing relevant geospatial functionalities and meeting potential user requirements when facing reacting to emergencies.
 - Developed desktop and android mobile applications and built spatial database with .NET framework, demonstrating support to decision-making and being awarded as innovation project at Wuhan University.

Skills & Qualifications

Language: Chinese (Native)

Engineering: ArcGIS, Geodatabase, Oracle, SQL Server, PostgreSQL, Python, JavaScript, Linux, Git/Github