Tracy (Yanjing) Liu

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EDUCATION
University of Virginia, Charlottesville, VA — 2012-2016
- B.S. in environmental science; minor in anthropology.

San Diego State University, San Diego, CA — 2020 – present
- M.A. in geography

SKILLS
GIS software: ArcGIS (Desktop and web), GRASS GIS, QGIS
Programming languages: Python, Java, R

EXPERIENCE
Lincoln Clean Energy; Remote Work (Oct 2019 - present)
GIS Developer (Contract)
- Develop and update tools for wind and solar site assessment.
- Build workflow for future data updates and maintenance.

Sun Tribe Development; Remote Work (Oct 2019 - Feb 2020)
GIS Developer (Contract)
- Develop and update tools for solar site assessment.

Coronal Energy; Davis, CA & Charlottesville, VA (June 2016 - Dec 2018)
GIS Developer (Sep 2018 - Dec 2018)
GIS Analyst (June 2016 - Aug 2018)
- Developed and maintained an automated site assessment tool with self-taught Python.
  - Reduced required operation time by 95%;
  - Integrated company-wide development and engineering expertise.
- Developed an innovative energy yield model.
  - Enabled the strategy team to quickly identify optimal solar resources.
- Responsible for analysis and selection of potential solar development sites.
- Facilitated large-scale solar development across the US by producing highly informative maps.
- Designed and implemented a company-wide GIS platform with more than 100 users.
  - Incorporated a suite of ArcGIS applications including ArcGIS online, Collector, Survey123, etc.
- Utilized both open-source and subscription-based resources to perform various advanced GIS analyses on topics such as energy pricing, viewshed, and interconnection queues.
- Employed Google Earth daily and developed Python scripts to manipulate kmz files.