

Sharllyn M. Pimentel

Phone: [REDACTED]

Current Resident of Santa Fe, NM

EXPERIENCE

DUDEK

Encinitas, CA

Hydrogeologist II

January 2022 – *present*

Remote worker skilled in GIS spatial analysis, development and calibration of 1D and 2D hydrology and hydraulic models.

- Processed Modflow data using Flopy and other python tools for basin budget analysis.
- Updated annual water budget reporting to assess groundwater basin sustainability.
- Contributed to modeling and hydraulic analysis for various Hydrology and Hydraulic Technical Studies related to solar projects in Southern California, Nevada and Texas.
- Assisted in large-scale watershed model development for multiple basins in Northern California. Aggregating and interpreting 22 years of model output data by developing python tools for data management and parsing for watershed characteristics
- Conducted and produced various Phase I ESAs throughout Southern California, New Mexico, Nevada and Texas.

CONSERVATION CORPS NEW MEXICO

Santa Fe, NM

Natural Resource Assistant

June 2021 – January 2022

Intern with Bureau of Land Management (BLM) New Mexico State Office, assisting Natural Resource Specialists in Fluid Minerals with Oil and Gas Lease Sales.

- Updated and maintained National Environmental Policy Act (NEPA) Environmental Assessment's (EA) administrative records for potential lease sale litigation.
- Gained familiarity with BLM's NEPA process, resource management plans, and Land Use Plans, Federal Land Policy and Management Act, CEQ, etc.

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

Socorro, NM

Graduate Research Assistant

January 2019 – December 2021

Involved with the novel Arroyo de los Pinos sediment research station funded by the United States Bureau of Reclamation. My research applied drone-based photogrammetry to capture geomorphic changes at the confluence of three ephemeral tributaries along the Rio Grande, near Socorro, NM.

- Self-taught and trained in data collection, processing and analysis for research and thesis work.
- Proficient in Agisoft Metashape Professional for Structure from Motion processing, Python for automation of data analysis, and various drone and photogrammetry applications.
- Led and assisted in fieldwork projects related to hydrology and geology in central New Mexico. Including drone based remote sensing, total station surveying, trenching, stream suspended sediment sampling, stream bedload sampling, channel velocity measurements, grain size analysis, broadband seismometer data collection, maintenance and data download of rain gages throughout basin
- Consulted with advisors and research group to present research results and findings

GEOSERVICES, A SCHLUMBERGER COMPANY

Youngsville, LA

Field Technical Analyst II

December 2014 – September 2018

Worked as an offshore Mud Logger, detecting and monitoring for potential well control situations. Created logs for analysis and interpretation of the drilled cuttings at the well site to determine rock type and hydrocarbon presence, as well as presence of other potentially harmful gases.

- Worked on Maersk Viking- ExxonMobil Development Company project for three years
- Followed well programs to oversee and document ongoing drilling and well completion operations

- Drafted various time and depth-based logs for formation evaluation
- Performed preventative maintenance on +60 sensors to guarantee quality control of data
- Communicated anomalies seen while drilling to appropriate rig personnel

EDUCATION

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY EARTH AND ENVIRONMENTAL SCIENCE

Socorro, NM
December 2021

Master of Science in Hydrology

- Related Courses: Hydrology Theory and Field Methods, Watershed Dynamics and Ecohydrology, Quantitative Methods in Hydrology, Fluvial Geomorphology and Hydrogeochemistry
- Research assistant involved with the novel Arroyo de los Pinos sediment research station funded by the United States Bureau of Reclamation
- Teacher Assistant for Hydrogeochemistry
- Applied for and awarded \$1,500 in 2020 New Mexico Geological Society Graduate Grant-in-Aid fund to supplement research cost
- Attended and volunteered at the Federal Interagency SEDHYD 2019 Conference
- First family member to obtain a postgraduate degree

GEORGIA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

Atlanta, GA
May 2014

Bachelor of Science in Geology

- Related Courses: Environmental Geology, Hydrogeology, Structural Geology, Sediment Environments and Stratigraphy, Calculus I & II, and Chemistry I & II
- Member of Sigma Gamma Epsilon Earth Science National Honor Society for achievement academic achievement in earth sciences
- Awarded Hope Scholarship based on academic achievement
- Self-funded 100% of college education
- First family member to attend and graduate college

ADDITIONAL SKILLS

- Graduate collaborative work with USACE and CAP to capture aerial photogrammetry for Structure from Motion processing of topographic changes at study site, and various other restoration projects around the city of Albuquerque
- Lead and assisted in various field work projects related to hydrology and geology in Central New Mexico. Such as drone based remote sensing, total station surveying, trenching, stream suspended sediment sampling, stream bedload sampling, channel velocity measurements, grain size analysis, and broadband seismometer data collection

COMPUTER:

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| • Microsoft Word, Excel, and PowerPoint | • Agisoft Metashape Professional v1.5.5 | • HEC HMS & HEC RAS |
| • LaTeX | • Python | • Modflow (Flopy and Groundwater Vistas) |
| • QGIS and ArcGis | • Gradistat (v 4.0) | |
| | • GeoNext (Geoservices proprietary software) | |

COMMUNICATION:

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| • Bilingual: English and Spanish | • Oral presentation skills | • Technical writing |
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