

Ping Hu

Geotechnical Data Manager

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TDI-Brooks International, Inc.

14391 S. Dowling Rd, College Station, TX 77845

Ph: (979) 693-3446 Fax: (979) 693-6389

www.tdi-bi.com

PROFESSIONAL EXPERIENCE

- Geotechnical Data Manager, B&B Laboratories, Inc., College Station, TX, 11/2023 – Present
- Geotechnical Laboratory Supervisor, B&B Laboratories, Inc., College Station, TX, 09/2021 – 10/2023
- Laboratory Specialist, B&B Laboratories, Inc., College Station, TX, 08/2021
- Hydrogeologist, Leggette, Brashears & Graham, Inc., Shelton, CT, 09/2012 – 07/2013
- Research Assistant, Yale University, Department of Earth and Planetary Sciences, New Haven, CT, 09/2010 – 08/2012

KEY ACHIEVEMENTS - B&B LABORATORIES, INC.

- Geotechnical Data Manager
 - Collecting, reviewing, validating, and organizing data packages and deliverables for reporting needs
 - Configuring and managing geotechnical data logging, processing, maintaining, and reporting systems
 - Developing streamlined procedures and innovative tools to enhance reporting quality and efficiency
 - Providing training and troubleshooting to laboratory personnel with data entry and processing
- Geotechnical Laboratory Supervisor
 - Managed laboratory operation
 - Planned, organized, and conducted lab tests on soil properties
 - Reviewed, validated, reported test results
 - Organized technical training and maintained lab personnel training records
 - Reviewed, revised, and validated quality assurance documents (SOPs, Lab Training Procedures, Data Entry Templates, etc.)
 - Evaluated opportunities for and implemented test procedures improvement
 - Participated in laboratory audit and addressed Quality Management related issues (e.g., NCARs, CIRs)
- Laboratory Specialist
 - Conducted advanced geotechnical tests on soil compressibility (CRS) and shear strength (DSS)
 - Established test data calculation and reporting templates for CRS and DSS tests

KEY ACHIEVEMENTS - LEGGETTE, BRASHEARS & GRAHAM, INC.

- Participated in projects of contamination remediation and groundwater supply
- Conducted field work: sampling, survey, on-site tests, supervision of sub-contractors, and hazards control
- Remediation database development, management, and presentation

KEY ACHIEVEMENTS - YALE UNIVERSITY, DEPARTMENT OF EARTH AND PLANETARY SCIENCES

Contributed to trace element and isotope geochemistry studies by:

- Performing geochemical experiments and instrumental analyses
- General laboratory operation and maintenance, inventorying and purchasing supplies
- Training and coordinating lab personnel
- Developing and implementing new analyses methods and procedures

PROFESSIONAL TRAINING

- One-Dimensional Consolidation Properties of Saturated Cohesive Soils Using Controlled-Strain Loading (CRS Test)
- Consolidated Undrained Direct Simple Shear Testing of Fine Grain Soils (DSS Test)
- Radiological Safety Training
- Standard Geotechnical Laboratory Tests

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FORMAL EDUCATION

- M.S., Earth and Environmental Sciences, Tulane University, New Orleans, LA, USA, 2010
- B.S., Geochemistry, Nanjing University, Nanjing, Jiangsu, China, 2006

SKILLS

- **Laboratory:** Standard Geological/Geotechnical Analyses, Advanced Geotechnical Tests, Analytical Geochemistry
- **Field:** Soil and Groundwater Sampling, Geological Survey, Geological Logging, Remediation Site Hazards Control
- **Computer:** Microsoft Office Suite, Adobe Acrobat, Google Productivity Apps, ArcGIS, WordPress
- **Language:** Chinese Mandarin (native proficiency), English (full professional proficiency)

PUBLICATIONS

- Törnqvist, T. E., Rosenheim, B. E., **Hu, P.**, Fernandez, A., 2015, 'Radiocarbon dating and calibration', in Shennan, I., Long, A. J., Horton, B.P. (ed.) Handbook of Sea-Level Research. John Wiley & Sons, Ltd., pp. 349-360.
- Wang, Z., **Hu, P.**, Gaetani, G., Liu, C., Saenger, C., Cohen, A., Hart, S., 2013, Experimental calibration of Mg isotope fractionation between aragonite and seawater: *Geochimica et Cosmochimica Acta*, 102, 113-123.
- Yu, S.-Y., Törnqvist, T. E., **Hu, P.**, 2012, Quantifying Holocene lithospheric subsidence rates underneath the Mississippi Delta: *Earth and Planetary Science Letters*, 331, 21-30.