

JULIA HSIAO-WEN REN JACKSON

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PROFESSIONAL EXPERIENCE

Fugro USA Marine, Inc., Houston, TX, *Assistant Surveyor* **September 2024 - Present**

- Assisting with positioning and pre-construction surveys for offshore energy projects, namely oil & gas and offshore wind
- Working with a team to safely mobilize and demobilize survey equipment on various vessels (offshore supply vessels, anchor handling vessels, lift boats, barges, etc.)
- Communicating with vessel bridge crew and remotely operated vehicle (ROV) pilots to install equipment and collect data
- Logging and monitoring acoustic, oceanographic, and positioning data; communicating results to clients

OW Ocean Winds/SouthCoast Wind, Boston, MA, *Permitting Analyst & Associate* **April 2020 – August 2023**

- Led marine permitting for offshore wind geophysical and geotechnical surveys; obtained IHAs and survey plan approvals, held pre-survey meetings, ensured compliance with BOEM project design criteria and Lease stipulations
- Worked with BOEM, NMFS, USACE, and other federal, state, and local agencies and tribal nations to obtain necessary federal permits (COP approval, OCS Air Permit, Section 10/404 Permit, etc.) for the SouthCoast Wind Project
- Managed and collaborated with specialists to prepare environmental assessments and reports (ex. archaeological resources, geohazards, marine mammals, benthic habitats, water quality, sediment dispersion, terrestrial vegetation, etc.)

National Grid USA, Waltham, MA, *Customer Energy Integration Intern* **June 2019 – August 2019**

- Collaborated with project managers to oversee the connection of renewable energy sites to the New England power grid
- Developed analytical Excel spreadsheets to routinely and efficiently profile over 500 National Grid solar sites
- Implemented Excel mapping procedure to optimize project delegation and organizational changes
- Streamlined National Grid's interconnection process by consolidating and organizing critical case documents and data in Salesforce for easier customer and project manager access

Radia, Inc., Boulder, CO, *Business Analyst Intern* **June 2018 – August 2018**

- Conducted international energy market research in fossil fuels and renewables to refine go-to-market strategy
- Developed sensitivity analyses to understand the impact of environmental factors on projected financial performance
- Proposed operational and HR improvements to save the company over \$7,500 per year

Woods Hole Oceanographic Institution, Woods Hole, MA, *Marine Chemistry Guest Student* **January 2018 – March 2018**

- Designed and executed original experiments under the mentorship of Dr. Chris Reddy and Dr. Collin Ward
- Work published on Oct. 10, 2019: "[Sunlight Converts Polystyrene to CO₂ and Dissolved Organic Carbon](#)"

EDUCATION

UNH Center for Coastal and Ocean Mapping/NOAA Joint Hydrographic Center, Durham, NH **July 2024**

Certificate in Ocean Mapping (FIG/IHO/ICA Category A) **GPA: 4.00/4.00**

- Planned, mobilized, executed, and demobilized a hydrographic survey using a multibeam echosounder, bathymetric sidescan, moving vessel profiler, grab sampler, and underwater video camera
- Studied marine survey technology and methods, focused on applications to energy projects and environmental monitoring
- Courses: applied tools and advanced topics for ocean mapping (Python), math for geodesy, physical oceanography, marine geoscience, geodesy and positioning (Python), seamanship and marine weather, hydrographic field course

Thayer School of Engineering, Hanover, NH **November 2019**

Bachelor of Engineering, Environmental Engineering **GPA 3.72/4.00**

Special Faculty Award for Engineering and Service to Humanity

Dartmouth College, Hanover, NH **June 2019**

Bachelor of Arts, Engineering Sciences, Minor in Chinese **GPA 3.69/4.00**

Cum Laude, Gamma Sigma Alpha National Greek Honor Society

Beijing Normal University, Beijing, China **June 2016 – August 2016**

Chinese language study abroad

Phillips Academy Andover, Andover, MA **June 2015**

Cum Laude Society

SKILLS & INTERESTS

Computing: Python, MATLAB, QGIS, Starfix, QPS Suite, HYPACK, Microsoft Office Suite, Adobe Creative Suite, Aconex

Languages: English (native), Mandarin (conversational)