

Brooklyn Fox

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Years of Experience: 7

Summary

Multidisciplinary civil engineer and renewable energy consultant with 7 years of experience, most recently leading early-stage project development and technical analysis for offshore energy projects. Proven track record of securing over \$1M in contract work, managing cross-functional teams, and delivering strategic insights for public and private sector clients across the U.S. Highly regarded for building lasting professional relationships, earning trust among diverse stakeholders, and demonstrating a fast-learning, adaptable approach to new technologies, markets, and challenges. While the majority of experience has been in offshore wind, brings highly transferable skills in energy infrastructure development, technical analysis, commercial awareness, and team management, that will directly support success as a Project Manager in adjacent markets.

Industry Experience

Xodus Group

Aug 2021 - Aug 2025

Global energy consultancy specializing in offshore energy production, technology development, industry enablement and environmental services.

West Coast Lead

April 2023-Present

- West Coast Lead - Managed up to 5 projects simultaneously, overseeing budgets and timelines across technical and economic scopes from inception to completion
- Secured over \$1M in contracts (2023–2025) as main client contact, proposal manager, technical lead, and project manager.
- Led a 12-person team, including subconsultants, to deliver detailed public-facing reports for state contracts.
- Developed Xodus' California growth strategy in collaboration with Daymark Energy Advisors, focusing on the CAISO market processes.
- Business development lead for US West Coast; represented Xodus at five conferences, including three panel speaking roles.

Lead Offshore Wind Consultant

Jan 2022-2023

- Project Engineer for DEVEX/CAPEX modeling across the full lifecycle of commercial-scale offshore wind projects, with emphasis on transport and installation scheduling.
- Technical lead on Project Development Plan for a floating offshore wind project bidding into the competitive Scottish INTOG Leasing round - Winning bid for BP to acquire a new seabed lease.
- Project Manager for Supply Chain and Workforce analysis in California for a private developer

Offshore Wind Consultant

Aug 2021-2022

- Collected and analyzed data for multiple state-level supply chain analyses, assessing infrastructure assets and developing a market forecasting tool.
- Project Manager for state-funded workforce development program, creating employment pathways for priority groups, including BIPOC and women.
- Lead Analyst of technical constraints for site selection using multicriteria analysis of environmental, economic and technical constraints to nominate key areas for acquiring seabed through the leasing process.
- Analyst preparing a supply chain plan to qualify for UK Government offtake agreement for offshore wind project, making contributions to the procurement process, workforce development and training, and health & safety planning.

Instituto Superior Técnico

Apr 2020 - Jun 2021

Public school of engineering and technology, part of University of Lisbon.

Graduate Research Fellow

Wave energy conversion researcher, analysing hydrodynamics of static objects subjected to wave forces

- **First author in Applied Energy publication - Numerical analysis of a wave energy converter integrated into a caisson breakwater (available upon request)**

- Numerical modelling and analysis of wave energy devices using the boundary element method solver, WAMIT combined with python programming to simulate an air turbine power take-off system and perform analysis of the converter in the frequency domain for three locations with varying met-ocean conditions
- Created demonstrations and class exercises for international Master's level course in WEC-sim modelling

The JDI Group

Aug 2015 - Sep 2018

Architectural and multi-faceted engineering firm.

Civil/ Structural Engineer

Dec 2017-Sep 2018

- Performed structural analysis of solar panel structures and lifting load of foundations
- Provided engineering analysis and letter of recommendations concerning the safety of structures
- Performed calculations and design of reinforced concrete bridges
- Cost estimation of a new Marathon Refinery facility site design

University Co-operative

Aug 2015 - Dec 2017

- Performed structural analysis on new and existing framing systems for steel and wood structures
- Engineered and detailed truss loading diagrams and truss reinforcement
- Utilized 2D and 3D CAD software to develop construction drawings
- Assisted in the piping network for site plans using Civil3D software

Education

Master of Science (MSc), Renewable Energy Engineering

2018 - 2019

Carl von Ossietzky University of Oldenburg

Master of Science (MSc), Ocean Engineering Specialization

2019 - 2020

Instituto Superior Técnico

Bachelor of Science (BSc), Civil Engineering

2012 - 2017

The University of Toledo

- Graduated with honors
- Dean's List Fall 2012; Dean's List Fall 2013; Dean's List Summer 2017; Cum Laude Dec 2017

Key Skills

Technical Tools: Python, AutoCAD, ArcGIS, Microsoft Office, WAMIT

Analysis and Design: Numerical modelling, structural analysis, DEVEX/CAPEX modelling

Project & Communication: Quality Management, Problem Solving, Scientific Report Writing, Highly Communicative, Spanish (Basic)

References

Excellent references available on request.