

GAVIN A. BOGGS

EXPERIENCE

EDF Renewables - Portland, OR

Renewable energy developer, owner, and operator

Performance Analytics Development Manager

2018

- Developed next-generation data systems for wind and solar in the cloud
- Implemented KPI calculations in Python using microservice architecture
- Supported and expanded capabilities of availability reporting system

Renewable Energy Analytics Engineer

2016-2017

- Acted as Lead Fleet Engineer for >500MW of wind and solar assets
- Created analytics system for solar PV performance monitoring
- Developed dashboards to support field operations and asset management
- Maintained and improved wind data system and calculations

Gamesa Wind US - Trevose, PA

Wind turbine manufacturer and wind farm operator

Performance Optimization Manager, Global Operations

2015-2016

- Leveraged data to maximize production and reduce operating costs
- Created high-speed data acquisition system for turbine diagnostics
- Developed centralized historian for operational and performance data
- Designed turbine health report for early identification of problems
- Maintained system for calculating contractual availability

Mechanical Engineer, Service Engineering

2012-2014

- Developed design and service improvements to increase reliability
- Coordinated root cause analyses for structural and mechanical failures
- Executed large-scale monitoring campaigns to support RCAs

Mechanical Engineer, G10X-NA

2010-2011

- Managed design of critical components of new 4.5MW wind turbine
- Oversaw design, validation, and manufacturing process

EDUCATION

Franklin W. Olin College of Engineering

2005-2009

Bachelor of Science, Mechanical Engineering

- Hands-on education focusing on projects, teamwork, and presentation
- Senior-year consulting project in wind turbine drivetrain design

PUBLICATIONS

Performance Monitoring And Reporting For PV Projects

Solar Industry Magazine - August 2017 (co-author)

Optimizing Maintenance Activities by Combining Condition Monitoring and SCADA Data

Wind Data 2016 - Houston, TX

SW SKILLS

Python	○○	SolidWorks	○○○
SQL	○○○○	CATIA	○○○○
Tableau	○○○○○	ABAQUS	○○
AWS	○○	LabVIEW	○○○○
MATLAB	○○○		