

# Brandon D. Woods

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## Engineering Program Manager

Seeking a program manager position to lead an effective team and help the company achieve top-tier results. With thirteen years of engineering experience, I have been fortunate to work with a variety of different teams and departments during my career. During this time, I have coached, trained, and led teams to complete a variety of tasks and milestones to meet customer specific deadlines. My management experience, leadership courses, and education have prepared me to be a well-rounded program manager capable of leading any team with continued success.

## Professional Experience

### **Solar Turbines Inc. San Diego, California**

March 2011 – Present

#### Principal Applications Engineer 2017-Present

- Support the sales team with customer inquiries and technical proposals
  - Average yearly workload totaled over \$40 million in forecasted revenue
  - Average yearly booked equipment sales totaled over \$6 million
- Subject matter expert for package design and hydromechanical systems
- Create handover documents for project management and the engineering team
- Lead engineer on lube oil cooler selection and pricing tools
  - Estimated company savings of \$100k per year in engineering labor fees

#### Hydromechanical Design Engineer 2014-2017

- Developed and produced project specific Process and Instrumentation Diagrams
- Helped build and maintained the Hydromechanical DE Portal
  - Reduced job role training from several months down to a few weeks
  - Improved quality and consistency of project related deliverables
- Validated fifteen Custom Features to reduce project execution time and increase quality
- Created product Source Control Drawings to properly purchase supplier components

#### Package Design Engineer 2012-2014

- Developed and managed the Mechanical Interface Drawings for the project team
- Helped build and maintained the Package DE Portal
  - Reduced job role training from several months down to a few weeks
- Coordinated deadlines with the engineering team and assumed the role as Point DE for technical questions from multiple customers such as Project Managers, Project Engineers, Commissioning, Shop Floor and Mechanical Interface Drawing Designers

#### Ancillary Design Engineer 2011-2012

- The ancillary system consists of ventilation ducting, vent fans, turbine inlet & exhaust ducting, rain stacks and maintenance platforms
- Created Request for Quotes and interacted with Solar's buyers and suppliers to provide a custom product to meet customer and project scheduling deadlines

## **Dril-Quip Inc. Houston, Texas**

August 2006 – April 2010

Design Engineer

Shell Perdido Regional Host Project: Spar Hull and Mooring System for Shell Oil Inc.

- Oversaw all engineering designs and calculations for the \$10M project
- Directly communicated engineering designs, time schedule and testing with the customer
- Developed testing procedures and equipment to qualify components per API standards
- Worked directly with manufacturing to optimize the machining processes and procedures

Completed all engineering requirements, from proposal to validation, for the following projects:

- Gimbal with I-beam Support Frame Rated to 2 million lbs.
  - The gimbal allows the entire offshore floating platform to absorb ocean swells with up to six degrees of rotation relative to the riser string and wellhead
- Tension Ring with Rotator Mechanism Rated to 2.5 million lbs.
  - The tension ring is connected to the platform through tensioner lines and supports the weight of the riser string down to the wellhead seated on the ocean floor

## Education

### **San Diego State University**

Master of Business Administration 2019, *cum laude* (GPA 3.70)

Recipient of the Friedman Family Foundation Scholarship for Entrepreneurship

Venture Capital Investment Competition Fall 2018 – Spring 2020

### **University of Texas at Austin**

Bachelor of Science, Mechanical Engineering 2006

Completed the Engineering in Training Exam 2006

## Leadership Courses

Organizational Behavior and Leadership, Sponsoring Effective Change Management, Leading Technical Professionals, Situational Leadership, Group Processes and Leadership, Operations & Supply Chain Management, Managing Professional Growth, Professional Communication Skills

## Extracurricular Activities

Member of Machine Learning Society & SD Robotics Club Fall 2017 – Present

Volunteer for San Diego Festival of Science and Engineering 2019 and 2020

Volunteer for San Diego Coastkeeper Beach Cleanup 2016 – Present

Volunteer for Feeding San Diego 2018 – Present

Volunteer for San Diego Startup Week 2017 and 2018

## Computer Proficiencies

Computer Software: Office 365, Microsoft Project, Teams, SharePoint, Salesforce, Tableau

Computer Aided Design Software: Creo Elements/Pro, SolidWorks, AutoCAD, ANSYS