

James (Alex) Booth
Houston, Texas

alexbooth10@gmail.com

+1-832-326-6774

Objective: Driven and efficient engineer looking for a challenging field position in the oil & gas industry. Determined to exceed expectations through industry knowledge and a unique entrepreneurial perspective.

Education

The University of Texas at Austin
Bachelor of Science in **Mechanical Engineering**

August 2013 – May 2017

Work Experience

Nido Structures LLC – Chief Operating Officer – Austin, TX September 2016 – July 2018

- Developed efficient sales pipeline to triple revenue from \$43,000 in 2017 to \$152,000 in 2018 YTD
- Executed accounting, finances, supply chain logistics, daily operations, and current product enhancements
- Coordinated successful Kickstarter marketing campaign raising \$70,000 in 35 days
- Negotiated patent licensing agreement with leading company in the outdoor recreation industry
- Streamlined sales and distribution process for top-selling product cutting time by 90% and mfg costs by 50%
- Excelled in Longhorn Startup business accelerator and ranked 3rd in revenue against 14 other startup companies
- Invented and patent filed for *Adjustable Footprint Suspension Seat Frame System*. Patent Pending

Flow Below Aerodynamics – Mechanical Engineering Intern – Austin, TX April 2017 – August 2017

- Led design of new aerodynamic product for semi-truck trailer
- Worked with engineering team to optimize fastener for new wheel cover project using Solidworks FEA
- Used Solidworks CAD to design and fabricate dealer displays for wheel cover package

S&B Engineers and Constructors LTD – Mechanical Engineering Intern – Houston, TX June 2016 – August 2016

- Modeled and performed FEA using Compress Build on pressure vessel for Phillips 66 refinery project
- Gained working knowledge of HTRI Xchanger suite through various heat exchanger simulations

GE Oil & Gas – Manufacturing Engineering Intern – Lufkin, TX June 2015 – August 2015

- Optimized efficient labor hour usage through operator and supervisor training
- Led project to increase on-time reporting of inspection operation from 10 to 90 percent
- Audited SAP ERP software in conjunction with Timelink clock network and resolved errors

Excelerate Energy LP – Operations Intern – The Woodlands, TX June 2014 – August 2014

- Designed small scale LNG pipeline pivotal for onshore liquefaction facility project
- Coordinated voyages and analyzed fleet statistics for operations team

Leadership and Academic Experience

Team Captain – Longhorn Racing - Formula SAE June 2015 – June 2017

- Led team of 20 student engineers to increase 22 ranks in two years at FSAE Lincoln international competition
- Designed and manufactured critical components for powertrain, suspension, aerodynamic, and ergonomic systems
- Recruited Ford Motor Company and Toyota as sponsors granting a new 2017 F-350 and \$25,000 in funding
- Restructured design methodology through organized design reviews and board of advisors meetings
- Orchestrated \$7,000 SAE lab restoration project

Achievements and Relevant Skills

Eagle Scout - BSA Troop 772 (Sam Houston Area Council)
FIRST Robotics Competition 2013 World Champions – Texas Torque FIRST Robotics Team
Proficient in Solidworks CAD, TIG & MIG welding, manual mill, lathe, waterjet and CNC plasma cutting