

TREVOR REAGOR

832-492-5054 • trevorreagor1@gmail.com • [linkedin.com/in/tcreagor/](https://www.linkedin.com/in/tcreagor/)

CORE COMPETENCIES

- US Security Clearance
- CREO, MATLAB, and LabVIEW
- Interpersonal and communication skills
- Cross functional interaction
- Mechanical Design Experience (with GD&T)
- Work independently & under pressure

Skilled Mechanical Engineer with 3 years of experience in design and production support. Seeking to leverage my professional expertise to acquire a position involving customer and cross functional interactions.

EDUCATION

Texas A&M University Bachelor of Science, Mechanical Engineering August 2018
Minor: Mathematics

EXPERIENCE

Raytheon Technologies, Intelligence and Space – Mechanical Engineer; McKinney, TX November 2018 – Present

- Design electronic packaging using CREO to be used on airborne radar systems to meet various environmental and customer requirements, through prototype and production phases of product life cycle
- Tasked with doing time intensive mechanical redesign of legacy navigation radar on fighter jet platform. Developed and tested prototypes for 5 different modules in 6 months
- Tasked with bringing test set update into fruition after years of abandonment. Made test sets and software compliant before legacy sets lost calibration cert., added software capabilities such as data recording and automatic unit under test fault recognition
- Work as sole mechanical engineer on test set refresh effort. Generating and releasing designs, coordinating material order and integration of 6 different test sets
- Interact with cross functional team members daily to maintain quality of designs and merchandise as well as achieving contractual deadlines of airborne radar system deliveries
- Investigate current specifications and regulations to ensure production hardware is compliant
- Engage with suppliers of hardware to proactively make certain requirements are met and design changes are recorded timely
- Time-manage to support multiple product lines/efforts simultaneously

KB Environmental – Field Engineer, Houston, TX September 2018 – October 2018

- Supervise laborers in remediating site contaminated by gasoline from leaking underground storage tank
- Prevent petrochemical contaminates from flowing into nearby lake
- Monitor fumes levels, take soil, and water samples from surrounding areas
- Manifest and supervise the removal of contaminated dirt from the site to landfill

Texas A&M Turbomachinery Lab – Undergraduate Lab Technician; College Station, TX August 2017 – August 2018

- Maintaining and troubleshooting daily on test environments for flooded housing tilting pad bearing and air labyrinth seal
- Tasked with improving data analysis process. Created MATLAB code to automate data analysis, this decreased time spent interpreting data by at least 2 hours for each test, more than 8 hours per week. Code took less than 40 hours to write
- Improved and maintained test cells by rerouting pressurized air plumbing, calibrating sensors, modifying parts, etc.
- Designed and 3D printed custom shims to support test rotor while magnetic bearings were disengaged, allowing the lab to conserve electricity while tests were not being conducted
- Regular assembly and disassembly of complex test sets

COMMUNITY/EXTRACURRICULAR ACTIVITIES

Learn English Ministries – Instructor Fall 2018 - Present

Community outreach program aimed at teaching non-English speaking people the necessary language skills for everyday tasks

- Interact with and instruct adult students of various nationalities through weekly English lessons

Camp Kesem – Counselor Fall 2015 – Summer 2018

Nonprofit summer camp for children who have been affected by a parent's cancer

- Raised more than \$2,000 and operated many charity events to fund the camp
- Selected to be 1 of 2 volunteer outreach coordinators tasked with interviewing, selecting, and training volunteers to be counselors

ADDITIONAL INFORMATION

Tools: CREO, GD&T, MATLAB, SOLIDWORKS, AutoCAD, MS Office, LabView, Basic Machine Tool Operations