Anya Jensen

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East Granby, Connecticut

Robotics engineer with broad skill set in mechanical and electrical design, software development, root-cause analysis, test development, human-centered design, and project management.

B.S. Engineering with Robotics, concentration in Entrepreneurship

Franklin W. Olin College of Engineering, August 2017 - May 2021

Work Experience

Collins Aerospace, July 2022 - present

NGPF Harness Project Engineer

- Run investigations commercial engine failures and led risk analysis, root cause, and corrective action development
- Write testing work instructions and supported on-engine testing of wiring harnesses and sensors
- Performed process optimization to reduce time spent on non-value added standard work by 80%
- Develop budgets and maintain schedules for projects across 7 NGPF engine programs
- Work directly with customers and suppliers to develop new hardware, product requirements, and product improvements
- Design of wiring harness schematic in Zuken E3.cable software

Talcott Mountain Science Center, August 2021 - June 2022

Technology Educator

- Partnered with UConn Biodynamics Lab to design bioengineering course for middle school students
- Developed and taught curriculum for middle school students utilizing Arduino, Python, Raspberry Pi, CAD, and 3D printing

Global Foundation for Ocean Exploration, April 2021 - July 2021

Electrical Engineering Contractor

- Worked and lived on NOAA vessel for two months conducting ocean mapping and sea floor research using deep-sea ROVs
- Performed systems testing to prepare vehicles for at-sea operations
- Repaired vehicle fiber optic and serial communication systems
- Assisted in daily dive operations via piloting, navigation, and pre- and post-dive maintenance
- Maintained and upgraded vehicle sensor, propulsion, and light systems

Amazon Robotics, May 2020 - August 2020

Hardware Development Intern

- Owned individual project to improve package sustainability
- Communicated with suppliers and on-site workers to perform testing
- Designed integration plan with current systems
- Performed long term cost and sustainability analysis

Cruise, May 2018 - August 2018, May 2019 - August 2019

Vehicles Test Engineer Intern

- Wrote calibration test scripts for autonomous vehicle sensor systems
- Analyzed data from vehicle tests to diagnose fleet-wide issues
- Wrote and performed robustness testing on in-car computer system
- Wrote and supported vehicle tests and data analysis

Technical Skills and Volunteering

Mechanical and modeling: Solidworks, Onshape, NX, MATLAB
Electrical and communications: Arduino, E3.caber, fiber optics, CAN, ethernet, RS232, Raspberry Pi
Software: Python, C++, Linux, Adobe Suite, Windows Microsoft Office
Additional Coursework: SE 5001 - Model-Based Systems Engineering (University of Connecticut)
Volunteering: East Granby Fire Department, Connecticut Cat Connection