

Anya Jensen

Robotics engineer with broad skill set in mechanical and electrical design, rapid prototyping, software development, root-cause analysis, human-centered design, systems integration, robotics systems, and project management.

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Education

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

B.S. Engineering with Robotics, concentration in Entrepreneurship

Work Experience

Talcott Mountain Science Center, August 2021 - Present

Technology Educator

- Build curriculum for middle school science and technology classes
- Partner with UConn Biodynamics Lab to design bioengineering course
- Teach topics including Arduino, Python, Raspberry Pi, Onshape, and 3D printing
- Maintain and repair 3D printers, telescopes, and planetarium

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
- Prepared 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

- Worked on bring-up and calibration of autonomous vehicles
- Used data from vehicles to diagnose fleet-wide issues
- Wrote and performed robustness testing on in-car computer system
- Worked with suppliers and external teams for continual system improvement

Technical Skills and Projects

Mechanical and modeling: Solidworks, Onshape, MATLAB

Electrical and communications: Arduino, circuit design, PCIe, fiber optics, CAN, ethernet, RS232, Raspberry Pi

Software: Python, C++, Linux, Adobe Suite, Windows Microsoft Office

- Senior capstone with Ford Motor Company to investigate impact of COVID on transportation
- Lived on off-grid farm, installed and optimized micro-hydro, solar, and wind power systems
- Wrote eigenface facial recognition algorithm using MATLAB
- Designed, built, and programmed bluetooth, voice operated laser tag robots