Anya Jensen

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Summary: Hands-on engineering student with broad, developing skill set in mechanical design, software development, system integration, robotic systems, leadership, and project management.

Education

FRANKLIN W. OLIN COLLEGE OF ENGINEERING, NEEDHAM, MA

Robotics Engineering, May 2021

- Recipient of 4-year, 50% Olin Merit Scholarship
- Student Representative to Admissions and Student Affairs and Resources
    - Help organize events such as school open houses and career fairs
- Peer Advocate, Liaison to Student Affairs and Resources

Skills

Mechanical Design and Modeling: SolidWorks, MATLAB, Adobe Photoshop and Illustrator
Prototyping and machining: 3D printer, laser cutter, handheld and CNC plasma cutter, mill, lathe, MIG welding, shopbot, sheet metal forming, composites, Arduino
Software Development: Java, JavaScript, Python, Arduino IDE, Github, Linux

Work Experience

GM Cruise LLC

Vehicles Test Engineer Intern, May 2018-August 2018

- Worked on bringup and calibration of autonomous vehicles
- Diagnosed and fixed issues on cars
- Wrote script to verify sensor values post-calibration
- Implemented fleet-wide retrofits on cars
- Ran demonstrations for investors and ensured cars were in peak condition
- Helped with team organization and documentation

FLUXION BIOSCIENCES, SAN FRANCISCO, CA

Prototyping Intern, June 2016 - August 2016, June 2017 - August 2017

- Redesigned laboratory and machine shop layout
- Machining and machine repair
- Built instrument prototypes

Relevant Projects

- Founded all-female FIRST robotics team to help promote diversity in STEM
- Designed and built moving mechanical sculptures
- Created facial recognition algorithm in MATLAB
- Created obstacle avoidance program using LiDAR in MATLAB
- Developed frequency detection circuit to help musicians easily tune instruments
- Created heart rate monitor using a scale
- Member of Olin's Baja SAE electrical subteam (2017-2018)
- Built Arduino circuit to take 3D scan using a IR distance sensor and servos
- Wrote MATLAB script to take accelerometer and gyroscope data to create 3D art