Aashrith Beesabathuni

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PROFESSIONAL SUMMARY

Ambitious student with a strong interest in STEM-related careers, especially jobs related to Mechanical/Electrical Engineering and Robotics. Has strong time management and problem-solving skills, along with proven communication skills to aid in any way possible.

EXTRACURRICULARS

BES (Berkeley Engineering Solution) Consulting Group

- Working with San Francisco startup "Sentien Robotics" in developing and implementing a new payload delivery system
- Working with a small group of students to design, prototype, and build said system to allow drone fleet to deliver packages
- Project completed in a span of only 1 semester

UCF's WEAR (Wearable Engineering and Assistive Robotics) Lab

- Worked on Project I^3ARC (Intelligent Intuitive Interactive Autonomous Robotic Cart)
- Led design/CAD process of the robotic shopping cart to assist the elderly and disabled in stores
- Managed purchase order of $1500 worth of components

Combat Robotics @ Berkeley

- Led design of 15-pound combat robot to compete in SBB competition
- Modeled robot through Fusion and completed FEA to optimize frame design
- Driver of the robot, earning us 2nd place at the competition, highest achievement of any robot in the club

FRC Team 1902 Exploding Bacon

- Led design on a 120-pound robot to launch balls and climb "monkey bars" in 3 versus 3 matches
- Mechanical Lead, Robot Driver, and Co-President of team
- Implemented and designed team's first ever rotating turret
- Fundraising lead, raising $30,000 through grants in 3 months

EDUCATION

University of California Berkeley

Orlando Science High School

SKILLS

- Experience with Java, Python, and Matlab
- Proficiency with Autodesk Inventor, Solidworks, Onshape (CAD)
- Experienced with Custom PCB's
- Proven teamwork and management skills

ACCOMPLISHMENTS

- Semi-Finalist in solo combat robotics competition
- 2nd place at SBB combat robotics competition
- CAD-athon 1st place robot
- CAD-athon 3rd place robot

RELEVANT COURSEWORK

- Manufacturing and Design Communication (E29)
- 3D Modeling for Design (E26)
- Multivariable Calculus (Math 53)
- Physics Mechanics (P7A)
- Physics Electricity and Magnetism (P7B)
- Introduction to Matlab (E7)