DANA MASSARO

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OBJECTIVE: To obtain a mechanical engineering experience in robotics utilizing my design and manufacturing skills in a multidisciplinary team environment.

EDUCATION

Bachelor of Science in Mechanical Engineering and Mathematics   May 2011
University of Florida, Gainesville, Florida
Current GPA: 3.52/4.0

Bachelor of Arts in Spanish with Minor in Mathematics   May 2004
University of Florida, Gainesville, Florida
GPA: 3.46/4.0

ENGINEERING EXPERIENCE

CAD Designer   May 2009 - present
SubjuGator, University of Florida Machine Intelligence Lab
● Designed submarine parts in CAD, built and tested prototypes
● Assisted in manufacture, assembly, and testing

Arm Design Leader   January 2009-April 2009
The Agitator, University of Florida Design and Manufacture Lab
● Led the design and manufacture of the arm mechanism
● Won second place out of sixteen teams

Arm Subteam Leader   March 2009-April 2009
Mars Rocks!, ASME Student Design Competition
● Directed underclassmen in the design, manufacture, assembly, and testing of the robot arm
● Wrote report for the competition's conference

LEADERSHIP

Secretary   May 2009-May 2010
American Society of Mechanical Engineers, University of Florida
● Attended leadership conferences and participated in engineering related competitions
● Documented activities in monthly reports and facilitated executive board meetings

Team Captain   May 2010-present
UF Human Powered Submarine
● Directed team in building drive train, harness, propulsion, controls, safety and buoyancy components
● Built and maintained the submarine's electrical systems
● Implemented a documentation system for future submarine teams

PROFESSIONAL EXPERIENCE

● **Math Tutor,** Tutor.com   November 2009-present
● **Server,** Colby's, Gainesville, FL   July 2004-present
● **Camera Director,** UF EDGE, Gainesville, FL   August 2002-May 2003

SKILLS

● **Engineering Software**: SolidWorks, LabView, SIMULIA Abaqus, and Quartus
● **Manufacturing Experience:** sheet metal, lathe, mill, and welding
● **Computer Skills**: Type 90 wpm, Microsoft Office, basic programming in C++, MATLAB and HTML.
● **Fluent in Spanish**