

Jheanell G. Tabana

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Objective: To obtain a full time position where I can apply my diverse skills toward creating innovative solutions for the employer.

Education:

University of Florida, Gainesville, FL

Bachelors of Science in Mechanical Engineering

August 2011

Minor: Electrical Engineering

Indian River Community College, Ft. Pierce, FL

Associates of Arts in Engineering

June 2007

Academic Projects:

- Designed and manufactured mechanical and electrical components for my autonomous robot, Recycle-Bot. Interfaced microprocessor, sensors, servo-motors, and wrote mission code (fall 2010)
- Headed the design and creation of the "grabber" electromechanical system for the SubjuGator 6c, an AUV designed and produced by UF students under supervision of Dr. Eric Schwartz (2009-10)
- Worked with a group to design an oscillating square-cutter. Also performed a thermal, mechanical (including FEA), and electrical analysis on the system. (spring 2010)
- Working with a group, used MATLAB's Control System Toolbox to develop computer-vision code for the purpose of controlling a conveyor belt and blower system. (summer 2009)
- Worked with a group to design and machine all the parts for an RC robot (fall 2007)
- Machined small parts for UF's SAE chapter, and assisted in shop activities (fall 2007)

Experience:

Programming: C, FORTRAN 77, MATLAB, LabVIEW, Quartus II, Code Composer Studio v4

CAD: SolidWorks, Pro/ENGINEER, Autodesk Inventor, Abaqus CAE

Prototyping: Soldering, machining, testing (LVDT, multimeter, oscilloscope, software, etc.)

Hardware: CPLD, DSP, microprocessors, relays, electronic components

Academic: Mechanical Design, Controls, Mechanics of Materials, Heat Transfer, Fluids, Dynamics, Materials, Intelligent Machines Design, Microprocessors, Circuits

Student Affiliations:

University of Florida:

SubjuGator, Society of Automotive Engineers, American Society of Mechanical Engineers, National Society of Black Engineers, Society of Women Engineers, American Institute of Aeronautics and Astronautics

Indian River Community College:

Phi Theta Kappa, Campus Coalition for Government, Math Club, Science Club, Honors Club

Recent Work Experience:

FreshCo, Ltd.

Ft. Pierce, FL

Phone: (772) 595-0070

- Logistics Coordinator (04/12 – current)

Duties: Scheduling trucks, taking inventory, processing bills of lading

- QA Technician (04/11 – 03/12)

Duties: Testing food surfaces and cleaning chemicals, inspecting finished product, adhering to strict quality procedures