Tyler James Holes

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U.S. Citizen

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OBJECTIVE:

My goal is to gain full-time employment for an entry level mechanical engineering position where I can assist in enhancing the overall efficiency and performance of the company.

EDUCATION:

The Florida State University, Tallahassee, FL — Graduation: April 2012
B.S. Mechanical Engineering — GPA: 3.06
Minor in Physics, Math — Major GPA: 3.22

Gulf Coast High School, Naples, FL — Graduation: May 2007
Concentration in Math, Physics — GPA: 3.97
Weighted GPA: 4.78

ACADEMIC HIGHLIGHTS:

- Completed major coursework includes Mechanical Engineering Tools, Intro to Mechanical Engineering, Material Science & Engineering, Intro to Electrical Engineering, Mechanics & Materials I, Mechanics & Materials II, Dynamic Systems I, Dynamic Systems II, Thermal Fluids I, Thermal Fluids II, Experimental Thermal Fluid Lab, Thermal Fluid Design, Mechanical Systems I, Mechanical Systems II, Mechatronics I Lab, Programming I, Engineering Design Methods, Energy Conversion for Sustainable Systems, Propulsion Systems, Senior Design Project I&II.
- Pi Tau Sigma International Mechanical Engineering Honor Society
- Dean′s List for FSU.
- Florida Bright Futures Academic Scholar Award recipient
- Interned for FSU Center for Intelligent Systems, Control, and Robotics in Spring/Summer 2011

QUALIFICATIONS:

- Experience with MathCAD, Pro/E CAD, MatLAB, Working Model, C/C++ Programming and CodeWarrior.
- Experienced in operating techniques for lab and shop equipment including a lathe, drill press, CNC machines and other machines used for testing and manufacturing.
- Proficient with both Macintosh and Microsoft Windows operating systems with office software.

PROJECT EXPERIENCE:

- Design and manufacturing of a sterling engine using Pro/E and machine shop equipment.
- Design, analysis and manufacturing of "Jump Shoes" using Pro/E, machine shop equipment and MathCAD.
- Mechanical and electrical work installing suspension, gauges, intercoolers etc. on automobiles.
- Design and manufacturing of a trebuchet using Pro/E and various power tools for a class competition (1st Place).
- Extensive lab research on hardness, tensile strength, elastic and plastic deformation along with other material properties of multiple metals and composites.
- Design and analysis of an Ocean Thermal Energy Converter using MatLAB.
- Programming a robotic cart to maneuver an obstacle course and perform various goals in the process.
- Yearlong senior design project building a solar powered 3-wheeled car.

RELATED WORK EXPERIENCE:

FSU Center for Intelligent Systems, Control, and Robotics (CISCOR), Tallahassee, FL
Student Technician (January 2011 – July 2011)

- Development and Analysis of more efficient designs of robotic cart elements used in various classes
- Maintenance of electrical and mechanical parts of the robotic carts

Capital City Valet, Tallahassee, FL
Valet Attendant (August 2011 – Present)