Christopher Kujawinski

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OBJECTIVE

To obtain a position as an engineer, through which I can participate to generate ideas and achieve corporate goals in customer satisfaction and corporate values.

EDUCATION

University at Buffalo, the State University of New York, Buffalo, NY
Bachelor of Science, Mechanical/Aerospace Engineering, June 2012, ENG GPA: 3.017

WORK EXPERIENCE

Conax Technologies, Buffalo, NY, 2011-present
Intern Methods Engineer

- Assist engineers in their given projects on subjects of efficiency, and design.

Calibration Lab Assistant

- Prepared material and products for testing by following procedures in technical documents.
- Calibrated and tested various products from thermocouples, to resistant temperature detectors using furnaces, salt baths, refrigeration chambers, as well as data logging software.
- Fabricated testing devices in order to test custom parts from manufactures such as General Electric.

PROJECTS

"Space Craft Project 1" 2012, MAE 425

- Objective was to explore the position and velocity of an orbit given its initial position and velocity.
- The orbit was analyzed using the classical solution for position and velocity, and finally by using the F and G series approach.
- MATLAB was used to compute and present data for all given approaches for entire project.

"Space Craft Project 2" 2012, MAE 425

- Objective was to explore the attitude motion of the Wilkinson Microwave Anisotopy Probe space craft.
- Given initial conditions and Euler Angle rotations relative to the Sun different characteristics such as the scan pattern Euler angles at certain points in times, and their respective rates were able to be calculated using MATLAB.
- Using quaternions and MATLAB, desired trajectories as well as their kinematic characteristics were able to be calculated as well as a design for a controller to drive the path to a desired trajectory.

"Senior Project" 2012, MAE 494

- Worked in a group of 4 to design a realistic Batman adventure belt.
- Took orders from group leader, and contributed to the concept generation and final design.
- Final Design mimicked belt layout from the move The Dark Knight®, and the prototype belt was cast in bronze.

"Water Design Project" 2011, MAE 451

- Lead a group of 4 to design a solution to the problem of inadequate drinking water in Seruvilla, Sri Lanka.
- Roles as leader included facilitating discussions, handing out tasks, overseeing report completion.
- Process to final idea was executed by following the steps of classical design.

ACHIEVEMENTS

- Eagle Scout 2008

SKILLS

- Multiple Solid Modeling Software Packages, Microsoft Office, AutoCAD, MATLAB, C/C++