Christopher W. Carlson

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OBJECTIVE

To obtain a full-time, entry-level Aerospace or Mechanical Engineering Position.

EDUCATION

Embry-Riddle Aeronautical University — Daytona Beach, FL
Bachelor of Science: Aerospace Engineering — August 2011
Area of Concentration: Astronautics
Minor: Mathematics

PROJECTS

Senior Design Project-Liquid Fuel Rocket Engine: Member of 15 person team; created a project development plan, created a project task timeline, helped to procure funding, tested and analyzed remote operating system, wrote test procedures for cold and hot fire tests of engine, assisted with feed system calculations in MatLab, worked with LabView to develop a controls program for the instrumentation bus, presented material to faculty.

Space Craft Attitude And Design Project-Yo-Yo Despin: Derived the radial yo-yo despin equation for satellite stability and modeled in MatLab.

Space Craft Controls Project-Flexible Appendage Control Model: Modeled a single input- output controller for a small satellite using MatLab and Simulink.

Orbital Mechanics Project-Lcross Mission Design: Redesigned the Lcross mission plan based on new specifications and modeled in MatLab.

WORK EXPERIENCE

Monorail Host — *Walt Disney Company* — Lake Buena Vista, FL — 9/12 - Present
Piloting monorail vehicles, Loading and unloading vehicles, Answering Guest questions, Providing exceptional Guest service, Ensuring Guest safety at all times

Cook/Trainer — *Buffalo Wild Wings* — Daytona Beach, FL — 6/11 - 5/12
In charge of opening the restaurant, Creating food prep sheets/work that needs to be completed during the day, Train new back of house employees, Work with Kitchen Manager to complete inventory count

Student Assistant — *Embry-Riddle Aeronautical University* — Daytona Beach, FL — 2/08 - 5/11
Greet visitors, answer phones, perform data entry, maintain student records, Worked with Project Manager to paper files to digital files, Performed other various office projects

Orientation Ambassador — *Embry-Riddle Aeronautical University* — Daytona Beach, FL — 12/08 - 1/11
Greeted and introduced new freshmen and their parents to the university, Gave presentation and a tour to freshman of the university, Answered parent and student questions, Assisted in other orientation activities throughout the week

GRAPCEP Intern — *Siemens Dematic* — Grand Rapids, MI — 6/05 - 8/05
Worked in product engineering department with engineers, Helped release product orders in Materials Manager and SAP, Helped complete special projects over the course of internship

SKILLS

Engineering Software: NASTRAN, STK, MatLab, Simulink, CATIA v.5, LabView, Maple, Pro Engineer, Solid Works, C++, AutoCAD, SAP, Materials Manager
Office Software: Microsoft Word, Excell, Power Point, Project, Publisher, Maxient, Datatel
Technical: Drafting , Design, Finite Element Analysis, Report Writing, Communication

LEADERSHIP

President	Pi Kappa Alpha International Fraternity	2010
External Vice President	Pi Kappa Alpha International Fraternity	2009
Sergeant-At-Arms	Pi Kappa Alpha International Fraternity	2008

INTEREST AREAS

Aerospace, Mechanical, Systems, Finite Element Analysis, Testing and Validation, Design, Fluid Dynamics, Propulsion, Structures, Controls, Quality Control, Applications, Product Development