

Adrian Cires

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OBJECTIVE

Join a team of energetic engineers focused in the mechanical design of highly innovative systems.

EDUCATION

Florida State University, Tallahassee, Florida
Bachelor of Science in Mechanical Engineering
Certification of Specialization in Thermal Sciences

Overall GPA: 3.00

ACADEMIC HIGHLIGHTS

Computer and Technical Skills

- MATHCAD, MATLAB, LabVIEW
- ProE, Working Model, SolidWorks, MSC Adams
- Microsoft Word, Excel and PowerPoint.

Engineering Project Experience

- FSU Automatic Boat Bailer – Project involved using naturally occurring boat oscillations to drive a bilge pump mechanism. Project team designed, modeled, analyzed, and built a working prototype.
- FSU Fence Post Remover – Project involved designing and analyzing a mechanism to remove fence posts deep in the ground with minimal force. Team applied innovation, stress analysis and mechanism design techniques.
- FSU Stirling Engine – Project consisted of building a functional Stirling engine. Teams created detailed drawings for the engine components, machined the components in the shop, and assembled / tested the finished prototype.
- FSU Solar Car Project (ongoing) – Working with an interdisciplinary team to complete the design of a vehicle that utilizes a solar powered energy storage system.

WORK EXPERIENCE

- Power Systems Mfg, Jupiter, FL: Engineering Intern (Summer 2010)
 - Responsible for the design of mechanical systems for industrial gas turbines.
 - Led the effort for the design of an adjustable fixture to recondition various combustion components
 - Design of inspection fixture for first stage 7FA vane support ring
 - Aided in development of repair process for damaged Westinghouse 501F pilot fuel nozzles
 - Designed cam-lock mechanism for GE 7FA and 7EA fuel nozzle assembly fixtures
 - Utilized AutoCAD to develop emergency floor plan for Fluoride Ion Cleaning (FIC) room
- Matevia Law, Jupiter, FL : Office clerk (Summer 2009)
 - Construction of office cubicles
 - Basic clerical work
- Rapids Water Park, Riviera Beach, FL: Lifeguard (Summer 2008)
 - Ensured the safety of all guests to the water park
- Four Florida Shopping Centers, West Palm Beach, FL: Assistant to the director (Summer 2006)
 - Basic clerical work (filing papers, taking phone calls)
 - Organized blueprints for various shopping centers

HONORS AND ACTIVITIES

- Sigma Alpha Lambda Honor Society
- Member, Florida State University Surf Club
- Member, American Society of Mechanical Engineers (ASME)
- Member, Society of Automotive Engineers (SAE)