

Jorge Pagan

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Objective

Obtain a full time entry level engineering position that requires strong problem solving and communication skills

Education

University of State, City, State

Bachelor of Science in Mechanical Engineering, GPA 3.27/4.00
May 2015

Senior Design Project

Company Name, City, State

- Determined the wear properties of Fiber Reinforced Aluminum to evaluate its usability in aircraft components
- Conducted a literature review to document the known material properties of FRA such as weight, strength, and wear resistance
- Made several modifications to the full scale wear test and increased its robustness by applying four times the original load
- Designed and manufactured a small scale wear test to provide additional data and to validate conclusions
- Designed the components of the full scale and small scale wear test using SolidWorks
- Machined the components of the full scale and small scale wear test on campus using a mill and a lathe

Awards

- Engineering Scholarship
Fall 2014, Spring 2015
- Dean's List Scholar
Fall 2011, Spring 2012

Work Experience

Company, City, State
Present

May 2015 –

Electrical Assistant

- Supported the installation, maintenance, and repair of electrical systems in commercial, residential, and industrial buildings
- Installed lighting fixtures, electrical outlets, circuit breakers, switches, and other electrical devices
- Repaired any issues with existing electrical systems or replaced any devices that could not be fixed
- Created proposals and invoices using excel giving the customers a detailed overview of all the costs of a project
- Communicated directly with customers in order to answer any inquiries and to provide assistance

Company, City, State

Intern in the Engine & Control Systems Department

May 2014 – August 2014

- Created a layout of the bench hydraulic system and the ignition monitoring system to support installation and submitted an action request for an initial record and file
- Supported the completion of Standard Work activity pages and task tailoring for the EEC modification project

- Complied with export and import policies by using the I-class tool to classify the drawings created
- Demonstrated commitment to the highest standards of ethics and business conduct in accordance with the code of ethics

Leadership

Company, City, State

Intern
2014 – August 2014

May

- Actively participated in professional and leadership development workshops to improve skillset
- Planned and organized community service activities with a team of interns
- Communicated with manager by scheduling monthly advising sessions

Technical Skills

- Microsoft Office (Word, Excel, PowerPoint, Outlook, Visio)
- SolidWorks
- ANSYS
- MATLAB
- LabVIEW

Languages

- Fluent in English and Spanish

