Jordan Eljaiek

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OBJECTIVE

Seeking a full-time position to further my aspiration to design and innovate while continuing to develop myself as a well-rounded engineer.

EDUCATION

Florida State University, College of Engineering, Tallahassee, FL **May 2018**
Bachelor of Science: Mechanical Engineering, **Minors:** Mathematics, Physics
GPA: 3.05; Dean's List, 2014

SPECIALIZED SKILLS

Programs: Solidworks, Pro-Engineering, Creo, AutoCAD, MATLAB, Mathcad, Microsoft Office
Programming Languages: C (Proficient) and C++ (Proficient)
Related Course Work: Manufacturing, Sustainable Energy, Heat Transfer, Mechatronics

PROFESSIONAL EXPERIENCE

Permobil Inc., Lebanon, TN, *Design Intern* **June – August 2017**
Contact Info: Mehdi Mirzaie – R&D Manager, Email: Mehdi.Mirzaie@permobil.com

- Compiled an extensive proposal that evaluated the sales trends, product variations, and mechanics of the wheelchair's seating systems to introduce improvements to the current seating system and the possibility of creating a new seating system all together.
- Utilized Solidworks to design a new seating system that would allow for better movement while reducing the cost, weight, and complexity of the system.

JGP Engineering Group P.A., Miami, FL, *Intern* **June – August 2016**
Contact Info: Hector Blasco - P.E. Email: hector@jgpeng.org

- Designed HVAC and Electrical plans for architectural agencies.
- Attended meetings at project sites to collaborate with construction companies and engineering groups to better understand how to construct design plans.

Corradino Group, Fort Lauderdale, FL, *Intern* **June - August 2015**
Contact Info: Alex Barreras – Project Administrator, Phone: (786) 515-5628

- Oversaw construction workers build 5 bridges on Las Olas.
- Participated in weekly progress meetings with members belonging to the Corradino group, members of MCM Construction Company, and members of the Florida Department of Transportation (FDOT).
- Compiled weekly reports and analysis to project administrator.

PROJECTS WORKED ON

Pressure Sensor for Cryogenic Propellant Tank – Sponsored by NASA-MSFC **August 2017 – Present**

- Currently acting as the Assistant Team Leader out of 5 group members.
- Implemented methods such as the Taguchi Method and House of Quality to choose the ideal concept for the sensor.
- Examining and altering existing pressure sensors to allow them to operate at temperatures at 77K and be accurate enough to measure pressures from 760 (atmospheric pressure) to 10^{-3}Torr.
- Tasked with generating CAD models for potential product concepts.
- Acting as a liaison between our team and multiple NASA employees.

Mechatronics Open Design Project **November 2016 – December 2016**

- Analyzed the hotel industry's needs to design a potential product that could combine essential hygiene products in to an automated system.
- Simulate an innovative product that can be mimicked by using an integrated system made up of DC motors, microcontroller, and IR sensors.

SCHOOL INVOLEVMENT

Society of Hispanic Professional Engineers (SHPE), *member* **September 2014 – Present**
The National Society of Collegiate Scholars (NSCS), *member* **September 2013 – Present**
F.S.U. Rugby Club, *member* **September 2013 – Present**