Current Address 2004 Crabapple Dr Tallahassee, FL 32304

Peter R. House

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Permanent Address 5700 Clifton Ave Jacksonville, FL 32211

Objective

A Mechanical Engineering full time entry-level position

Education

Florida State University, GPA 2.96 (will graduate with 3.0)

May 2018

Bachelor of Science in Mechanical Engineering **Honors**: Dean's List Fall 2013, Spring 2016 High School: Bishop Kenny High School, GPA 3.5

May 2013

Engineering Experience

Danfoss Turbocor, Senior Design Project, Thermal Fluids Engineer.

August 2017 – Present

- Currently designing a monitoring system for a centrifugal compressor inlet
- Implemented a parametrically designed NACA symmetric airfoil curve into Creo 3.0
- Performed sight glass thickness calculation using engineering statics principals
- Managing project timeline using Microsoft Project

Brooks Building Solutions, Technical Sales Assistant.

March 2017 – Present

- Estimated or project managed over 50 air conditioning equipment jobs from initial design to closeout
- Helped win basis of design jobs for equipment sales to FSU, City of Tallahassee, etc.
- · Mastered Daikin Tools Software and used it to sell equipment packages to mechanical contractors

Florida State University Facilities, Maintenance Engineering Intern. March 2016 – March 2017

- Performed energy efficiency analysis on chilled water system on FSU's campus using PipeFLO
- Fabricated construction and demolition plans for multiple air handling unit replacements

Centric Corporations, Electrical Engineering Intern.

May 2013 – August 2013

- Assisted with multiple network wiring jobs for Align Network's phone and computer system
- Gained workshop experience with cars, boats (rebuilt BorgWarner transmission), lathes, mills
- Programmed a boat lift to rise and fall using a Basic Stamp controller

Projects

Air Handling Unit Replacements, FSU and Brooks Solutions.

August 2016 – January 2018

- Constructed the demolition and construction plans in AutoCAD under Mark Sawicki, PE at FSU
- Executed the equipment sales and project management at Brooks Building Solutions

Rooftop Package Air Conditioning Replacement, Brooks Solutions July 2016 – December 2017

- Provided networking connections between previous and current employers for service relationship
- Worked with Thybar Corporations to design roof curbs, used AutoCAD to communicate ideas

Robot Parking Program, Mechatronics Class at FSU, Team Leader. July 2016 – December 2017

• Programmed a robot to parallel park in a variable course using C in a team of two

US Army Corps of Engineers, Team Leader.

April 2012, 2013

- 1st and 3rd place overall in engineering competition with thirty teams
- Constructed a spaghetti bridge with 40 to 1 strength to weight ratio
- Built a windmill mechanism that lifted the most weight in the shortest amount of time

Additional Experience

Southgate Campus Centre, Resident Assistant.

March 2014 – May 2017

- · Promoted to Campus Outreach Coordinator and Night Time Building Manager
- Employee of the Month

National Youth Leadership Training, Course Leader

July 2012

• Lead a staff of 30 members to teach 70 students leadership and communication skills

Boy Scouts of America, Eagle Scout.

December 2010

Programming Languages

Proficient in Microsoft Office, AutoCAD, Pro/E Creo Parametric, C and MATLAB Implemented AutoCAD and Creo 3.0 in professional, real world applications

Advanced Course Work Advanced Thermal Fluid Design Numerical Methods with MATLAB Energy Conversion Systems Analytical Control Systems Fall 2017 Fall 2016, Spring 2017