

Ernie (Mechanical) Engineering

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EDUCATION

Florida Atlantic University

Bachelor of Science in Mechanical Engineering

GPA: 3.8/4.0

Boca Raton, FL

December 2020

RELEVANT COURSEWORK

Dynamic Systems, Finite Element Analysis for Engineering Design, Vibration Synthesis & Analysis, Applied Thermal Fluid Engineering, Engineering Design, Experimental Methodology, Machine Design II

SKILLS

Software: Microsoft Office, MATLAB, Solidworks, Creo Pro/E, Autodesk Inventor, ANSYS, ADAMS

Machines: Mill, Lathes, Drill Press, Band Saw

RELEVANT PROJECTS

Suitcase with Vacuum Pump

Fall 2019

- Developed and built a suitcase with a vacuum pump that removed excess air to increase packing capacity by up to 50%, allowing travelers to bring more personal items per trip

Temperature Controlled Shipping Unit

Spring 2019

- Designed and analyzed with FEA a shipping container that can bring a bio specimen container to 4°C within 10 minutes
- Devised the system such that it is functional in 60°C ambient temperature

WORK EXPERIENCE

Office Assistant

January 2019 – Present

FAU Career Center

Boca Raton, FL

- Communicate with students about services including same-day career advising, career counseling appointments, and employer relation based questions
- Assist with any administrative duties including answering phone calls, emails and making copies
- Ensure that front desk and office area are maintained in a neat and organized manner

ACTIVITIES

American Society of Mechanical Engineers, *Member*

December 2017 – Present

Engineering Student Council, *Member*

May 2017 – Present

Pi Lambda Beta, *Member*

January 2017 – Present

LANGUAGES

Fluent in the oral and written communication of English and Spanish



FAU CAREER CENTER

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