

# 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 20XX

## 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 2014

- 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 2014

- 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

FAU Career Center

January 2015 – Present  
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 2014 – Present

Engineering Student Council, *Member*

May 2014 – Present

Pi Lambda Beta, *Member*

August 2012 – Present

## LANGUAGES

Fluent in the oral and written communication of English and Spanish

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