
Sample: Engineering Major with Certification, Senior Project, Internship

Paul Beckham

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EDUCATION

University of Illinois at Chicago (UIC)

Bachelor of Science in Mechanical Engineering

May 2014

Cumulative GPA 3.3/4.0

CERTIFICATION

Engineer-in-Training [Fundamentals of Engineering Exam (FE)], sitting April 2014

SENIOR DESIGN PROJECT

Spring 2014

Designed an environmental enclosure for a battery discharging device

- Led a group of students to successfully build a prototype
- Conducted numerous experiments to optimize the device
- Wrote reports, collaborated on a poster display, and presented the design to engineering professionals at the annual UIC Engineering Expo

ENGINEERING COURSEWORK

Heat Transfer, Fluid Mechanics, Mechanical Vibrations, Engineering Graphics and Design, Materials for Manufacturing, Statics/Strength of Materials, Engineering Dynamics

ENGINEERING EXPERIENCE

Freedman Seating, Chicago, IL

Engineering Intern

Aug - Dec 2013

- Assist project engineers with multiple projects to design and modify existing seat foam, fabrics and assembly
- Assemble transit seats according to their prints for lab testing
- Create part models, layouts and drawings using Solid Edge
- Work with plain carbon, HSLA and stainless steels
- Verify dimensions on parts using protractor, caliper and other tools
- Use air tooling, band saw, drill press laser, bending and welding processes

ADDITIONAL EXPERIENCE

UIC Office of Career Services, Chicago, IL

Administrative Aide

Aug 2012 to present

- Assist walk-in students with questions related to office services
- Handle and resolve client inquiries via telephone
- Distribute information to various departments throughout campus

MEMBERSHIPS

Pi Tau Sigma: Mechanical Engineering Honors Society

2012 to present

American Society of Mechanical Engineers

2012 to present

SKILLS

Computer: Working knowledge of AutoCAD, AutoDesk Revit, SAP2000, Matlab, Pro/ENGINEER; Microsoft Office Word, Excel and PowerPoint.

Language: Basic knowledge of Spanish

INTERESTS

Playing baseball, reading works by Edgar Allen Poe & mobile DJ