

Garrett Foster

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Education	Missouri University of Science and Technology (MS&T) Graduate Certificate in Systems Engineering	December 2008
	OSHA 10 Hour Certification	June 2008
	Missouri University of Science and Technology B.S. Interdisciplinary Engineering (IDE) <ul style="list-style-type: none">• <i>Emphasis in Product Design</i>	May 2008 GPA 3.7/4.0
Course Work	Circuits I & II Project Management New Product Development Thermal Analysis Composite Materials Machine Design & Dynamics	
Experience	IDE Dept. Lecturer: Engineering Design <ul style="list-style-type: none">• Communicated design process to class of 44• Negotiated conflict resolution with students AK Steel Research Engineer Intern <ul style="list-style-type: none">• Worked on multiple projects at once to meet deadlines• Organized data into visually appealing reports• Communicated needs to Project Engineers• Developed model to predict steel tundish temperature• Analyzed trends in data to improve company product IDE 315 Senior Design Project <ul style="list-style-type: none">• Developed product to increase efficiency of solar panels• Initiated research on alternative energy outside of class• Collaborated with team of five• Constructed and tested several prototypes• Generated several concepts utilizing different design methods IDE Dept. Teaching Assistant <ul style="list-style-type: none">• Safely operated testing equipment• Trained 25 students to use solid modeling software packages• Prepared presentations and handouts prior to class University of Texas & MS&T Undergrad Research Assistant <ul style="list-style-type: none">• Dissected and cataloged the details of various consumer products• Performed case studies on computational concept generation techniques• Populated database with information• Compiled information into reports and presentations	MS&T Fall 08 Middletown, OH Summer 08 MS&T Spring 08 MS&T Fall 07- Spring 08 Austin, TX/MS&T Summer 06, 07

IDE 215
Junior Design Project

MS&T
Spring 07

- **Developed product to assist child with cerebral palsy walk**
- Benchmarked existing products
- Oversaw all aspects of design process with team of five
- Initiated process to receive patent

MS&T Resident Life
Senior Resident Assistant

MS&T
Fall 05-Spring 07

- Promoted to Senior Resident Assistant for 06-07 school year
- **Managed community of 35 male residents**
- Motivated residents to participate in various residential hall activities
- Developed creative and out-of-the-box programming
- Resolved conflict between residents
- Assisted with two large scale service projects for local charities
- Encouraged creative and out-of-the-box programming

MoDOT
Landscape Crew

Hannibal, MO
Summer 05

- Worked unsupervised
- Safely operated and maintained equipment

Honors
& Activities

Chancellor's Fellowship
Magna Cum Laude Honors
General Motors Scholarship
Formula SAE
Tutor at Rolla Middle School
RHA Community of the Month Award
TJHA Programming Committee – Chair
11 South – Floor Governor
Mineshaft Newspaper – Financial Officer

National Scholars Honors Society
Opening Week Mentor
IDE Scholarship
Heartland Conference – Entertainment Chair
Intramural Sports – Representative
Heartland Conference – Website Chair
Residential Hall Association – Representative
Powder Puff Football – Head Coach

Computer
Skills

Microsoft Windows
Microsoft Office
Adobe Photoshop

Macintosh OSX
Unigraphics NX
C++

Ubuntu Linux
AutoCAD
VBA