

BREIGH FOSTER

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EDUCATION

University of Iowa	Iowa City, IA	May 20XX
Bachelor of Science in Engineering		Overall GPA: 3.34 / 4.00
MAJOR: Industrial Engineering	Focus Area: Big Data Analytics	Major GPA: 3.60 / 4.00

TECHNICAL SKILLS

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| <ul style="list-style-type: none">• AutoCAD• C++• PTC Creo | <ul style="list-style-type: none">• Google Suite• Lean Manufacturing• Microsoft Office Suite | <ul style="list-style-type: none">• Pro Engineer• SketchUp• SolidWorks |
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INDUSTRY EXPERIENCE

Collins Aerospace	Cedar Rapids, IA	May 20XX – Dec. 20XX
<i>Industrial Engineering Co-op</i>		

- Directed a layout redesign project worth \$250K for the expansion of two product lines in a 35,000 ft² facility
- Managed a continuous improvement project reducing build time for 15+ assembly designs using SAP
- Led weekly meetings with professional engineers to optimize all layout moves to increase growth rate of an Integrated Product Team (IPT)
- Reduced assembly time by 8% using various diagrams to aid decisions in layout of machines and stations
- Analyzed inventory costs and implemented alternative designs, resulting in a savings of \$60K
- Designed and 3D printed new fixtures using SolidWorks for circuit boards to aid operators in repair and testing

University of Iowa Hospital & Clinics	Iowa City, IA	Sep. 20XX – May 20XX
<i>Senior Design Project Consultant</i>		

- Consulted for a team of radiologists to optimize patient schedules and alleviate bottlenecks in the Positron Emission Tomography (PET) Department
- Analyzed the flow of 400+ patients by creating time studies and fit distribution using analysis software
- Lobbied for additional patient prep rooms by presenting findings to Hospital Administration
- Designed a website using HTML to grant liaisons access to the project data

RESEARCH EXPERIENCE

Additive Manufacturing-Integrated Lab	Iowa City, IA	Sep. 20XX – May 20XX
<i>Undergraduate Researcher</i>		

- Collaborated with College of Dentistry to brainstorm current 3D printing plans for synthetic bone designs
- Researched and worked with three PhD students to improve efficiency of existing 3D printers
- Printed and analyzed 150+ microscopic shapes to determine the efficiency and quality of the 3D printed results
- Tested the viscosity and coating thickness of a printing material using digital projection techniques

CAMPUS LEADERSHIP & INVOLVMENT

SpaceX Hyperloop Design Competition	Chicago, IL	Jan. 20XX – May 20XX
<ul style="list-style-type: none">• Selected as one out of 1000 entries to compete amongst 150 teams in Design Weekend at Texas A&M• Collaborated in a team of 16 to design several possible solutions for the hypothetical design of a hyperloop		

Society of Women Engineers	Iowa City, IA	Sep. 20XX – May 20XX
<ul style="list-style-type: none">• Served as treasurer for one academic year and monitored the organization's overall finances• Collaborated with the executive board to host networking events and employer visits to weekly and monthly meetings		