

Arnold Gold

Current Address:
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Permanent Address:
201 Professional Pkwy
Des Moines, IA 20047

Education

The University of Iowa , Iowa City, IA Bachelor of Science in Engineering Major: Biomedical Engineering, Focus in Cellular Engineering	Aug. 20XX - Present Major GPA: 3.7/4.0 Overall GPA: 3.1/4.0
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Engineering Experience

Boston Scientific , Marlborough, MA <i>Research & Development Engineer Co-op</i> <ul style="list-style-type: none">Collaborate in a team of four to conduct research on Endoscopy materialsTest and study new materials to improve the functionality of an endoscope with the goal to reduce costs and improve efficiencyProvide materials testing support for various projects throughout all company departments such as radiology, cardiology, and vascular surgery	Jan. 20XX-Present
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Department of Internal Medicine, UIHC , Iowa City, IA <i>Clinical Research Intern</i> <ul style="list-style-type: none">Researched applying everyday technology to improve the prevention and treatment of disease, with projects varying from diabetic foot ulcer imaging software to a Fitbit-based racing application to encourage exerciseCollaborated in a research group of 12 assorted stakeholders which included doctors, nurses, and researchers to streamline the department workflow	May 20XX-Aug. 20XX
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Skills

<ul style="list-style-type: none">ACD/ChemSketchC++Creo Parametric	<ul style="list-style-type: none">ImageJLabVIEWMathmatica	<ul style="list-style-type: none">MATLABMicrosoft Office SuiteSilverStripe
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Other Experience

University of Iowa , Iowa City, IA <i>College of Engineering Student Ambassador</i> <ul style="list-style-type: none">Meet with prospective students and their families to provide student insight into engineering at the University of IowaAttend and assist with admissions events such as Hawkeye Visit and Engineering days, helping coordinate activities and speaking with prospective students	Jan. 20XX-Present
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Leadership & Involvement

University of Iowa Hospitals & Clinics , Iowa City, IA <i>Volunteer</i> <ul style="list-style-type: none">Volunteered in Gastrointestinal Surgery, Transplant & Trauma Inpatient Unit, and Burn Trauma UnitSupported doctors and nurses with patient care and other administrative tasks such as stocking supplies, cleaning rooms, and transporting patients	Jan. 20XX-May 20XX
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Relevant Coursework

<ul style="list-style-type: none">Medical Device Design	<ul style="list-style-type: none">Medical Imaging Physics	<ul style="list-style-type: none">Market Analytics
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VANESSA HAWKEYE

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EDUCATION

University of Iowa	Iowa City, IA	May 20XX
Bachelor of Science in Engineering	Major: Industrial Engineering	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
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Industrial Engineering Co-op

- 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
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Senior Design Project Consultant

- 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
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Undergraduate Researcher

- 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 INVOLVEMENT & LEADERSHIP

SpaceX Hyperloop Design Competition	Chicago, IL	Jan. 20XX – May 20XX
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- 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
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- Served as treasurer for one academic year and monitored the organization's overall finances