Brendan Inglis

Mechanical Engineer

Phoenixville, PA
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https://bji219.github.io

Profiles

Brendan Inglis

bji219

Education

Lehigh University
MS, Mechanical Engineering
3.93 GPA
9/1/2020 - 8/31/2022

Lehigh University
BS, Mechanical Engineering
3.41 GPA
8/24/2015 - 6/3/2019

References

Amanda Kirk
Manager, Globus Medical Inc.
610-639-3686
akirk@globusmedical.com

Hannah Dailey
Former PhD Research Advisor
732-320-7284
hlr3@lehigh.edu

Interests

Piano **Basketball**
Snowboarding **Hiking**
Biking **Reading**

Languages

Spanish
Intermediate

Summary

Lifelong learner interested in solving unique multi-disciplinary problems involving medical device design, image based finite element analysis, programming, & biomechanics

Skills

PTC Creo **DFM** **ANSYS** **MATLAB**
SolidWorks **Materialise Software** **Python** **Raspberry Pi**

Experience

Globus Medical Inc. **3/7/2023 - Current**
Project Engineer Audubon, PA

- Launched the ANTHEM Distal Radius Fracture System
- CAD Modeling & Drawings for medical device implants
- Rapid prototyping in 3D printed plastic, metal, and traditional machining to test designs
- Incorporated surgeon design feedback from cadaveric labs
- Hands on experience performing mock procedures on cadaveric specimen
- Lead Design-For-Manufacturing calls with vendors
- Collaborated with vendors to get designs from paper to production
- Active involvement in Distal Radius, Proximal Humerus, & Elbow projects

Lehigh University **9/1/2020 - 8/31/2022**
PhD Candidate Research Assistant Bethlehem, PA

- Published research in Nature Scientific Reports and CMBBE, co-author on multiple other research studies
- Created CT-image based 3D models of human, ovine, & murine bones - Used Mimics, 3-Matic & ANSYS to virtually test bone models
- Developed interactive web applications with R-Shiny
- Presented findings at ORS 2021 & a podium presentation at SB3C 2022
- Utilized Lehigh's High Performance Computing Center to create custom programs and workflows with bash, MATLAB, ANSYS, & Python
- Developed MATLAB code for hardware-integrated virtual-modeling

B. Braun Medical Inc. **6/10/2019 - 12/31/2020**
Career Development Rotational Program Engineer Bethlehem, PA

- Three six-month rotations in B. Braun engineering departments- Quality Engineering, Process Engineering, and OEM Engineering

Projects

Design Portfolio
GitHub Pages Homepage

Home of my Design Portfolio which contains details on my education, research, personal projects and more. Gained experience using HTML, CSS, and markdown to customize my website.