



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



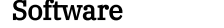
MATLAB



SolidWorks



Materialise



Software



Python



Raspberry Pi



Experience

Globus Medical Inc.

Project Engineer

3/7/2023 - Current

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

PhD Candidate Research Assistant

9/1/2020 - 8/31/2022

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.

Career Development Rotational Program Engineer

6/10/2019 - 12/31/2020

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.