Nathan I. Luskey

nathanluskey@gatech.edu • nathanluskey.com • github.com/nilnate

Education

Georgia Institute of Technology | Atlanta, GA   *August 2016 – May 2021*
- B.S. in Biomedical Engineering with minor in Industrial Design
    - Anticipated minor in Computing & Intelligence
- Overall GPA 3.94, Major GPA: 3.93
- Studied abroad at Georgia Tech Lorraine in Spring 2018
- Stamps President's Scholar
    - Awarded to 40 members of each GT Class
    - Full cost of attendance payed plus a stipend for travel, research, etc.

Experience

Cathaid, Atlanta, GA   *January 2020 – April 2020*
Internship
- Improved product manufacturability while maintaining critical prototype design features

Ethicon Endo-Surgery, Cincinnati, OH
Design Co-op in Front End Energy   *May 2019 – August 2019*
- Supported development of temperature control algorithm to improve harmonic device heat management and thermal spread

Design Co-op in Lifecycle Open Mechanical   *August 2018 – December 2018*
- Improved usability by quantifying existing linear surgical staplers' performance
- Designed and qualified testing methods and fixtures for ultrasonic weld strength

Georgia Tech Healthcare Robotics Lab   *May 2017 – December 2017*
Undergraduate Research Assistant

Activities

Sigma Nu Gamma Alpha Chapter   *August 2016 - Present*
- Member of Honor Council
- Academic Chair   *January 2019 - December 2019*

Tech Beautification Day
- Project Coordinator   *January 2017 - April 2017*
- Project Director   *January 2019 - April 2019*
- VP of Corporate Outreach   *September 2019 – April 2020*

Skills

Software: Python, Java, MATLAB, Solidworks, Testworks, Minitab, LabVIEW, Arduino, Visual Studio
Instrumentation: CNC Mill, Laser Cutter, 3D Printer, Axial & Linear Load Machines, myDAQ
Communication: Engineering Studies, Emails, Meetings, Public Speaking
Acquired Skills:
- *Engineering*: Mechanics, Circuits, Statistics, Fluid Transport, Cell Culturing, Computer Modelling, Systems & Cellular Physiology, FDA Waterfall
- *CS:* Machine Learning, Object Oriented Programming, Data Structures, Algorithms, Git, CSS/HTML
- *ID:* Human Factors, Human-Computer Interaction, Needfinding, Sketching

Publications

"Classification of Household Materials via Spectroscopy" in IEEE Robotics and Automation Letters (RA-L)
- IEEE Robotics and Automation Society Best Paper Award in Service Robotics – Finalist ICRA '19