

Jared Yoder

Work Experience

MECHANICAL ENGINEER | BIOCORE LLC | JUNE 2018 - PRESENT

- Coordinate and perform laboratory testing to support ongoing research projects
- Maintain laboratory equipment and instrumentation
- Perform data analysis in support of current research

ENGINEER INTERN | LOHMANN PRECISION DIE CUTTING | MAY 2017 - AUGUST 2017

- Automated production spreadsheets with Excel VBA: decreases scheduling office work (potential to save 4 hours/week)
- Set up tooling RFID inventory system and designed associated database: tracks location of dies, print plates
- Wrote work instructions for use of tooling inventory system: ensures correct database management
- Built Solidworks models of factory machinery: allows precise product flow schematics for work instructions

CARPENTER | KLEINER CONSTRUCTION | MAY 2015 - AUGUST 2015, MAY 2016 - AUGUST 2016

- Constructed framing, installed siding, and performed other work with team in the construction of The Battlefield Country Store; replaced roofs, built decks in residential jobs

CARPENTER | HARRY YODER BUILDER | MAY 2012 - MAY 2014

- Built houses with experienced carpenter

Education

UNIVERSITY OF VIRGINIA | SCHOOL OF ENGINEERING AND APPLIED SCIENCE - SPRING 2018

- **Bachelor of Science in Mechanical Engineering - with highest distinction**
- Member of Tau Beta Pi, Pi Tau Sigma
- **Relevant Coursework:** Java Programming, Mechatronics/Circuit Design, Automatic System Controls, Product Design Fundamentals, Medical Design, Manufacturing/Processing Technologies, Mechanical Systems, Machine Elements and Fatigue Design, Numerical Physics Modeling, Experimental Methods Lab I & II

PIEDMONT VIRGINIA COMMUNITY COLLEGE | ASSOCIATE OF SCIENCE - SPRING 2016

- Mechanical Engineering - Cumulative GPA: 4.0
- Honors: Euler Prize for Excellence in Mathematics

Project Experience

BIOMECHANICS OF LOCOMOTION LAB | SPRING 2017

- Worked with team of UVA students to design an experiment relating to mechanics of motion
- Designed experiment to test several hypotheses regarding stride length and energy, stride frequency, and efficiency
- Collected data at Motion Analysis and Motor Performance Laboratory
- Analyzed data and evaluated hypotheses in group report

GPS INVISIBLE FENCE DOG COLLAR PROJECT | APRIL 2017

- Designed and built proof-of-concept gps based "invisible fence" collar outside of class

Leadership Experience

LEADER OF OGMCM YOUTH GROUP | DECEMBER 2013 - MAY 2014, JUNE 2017 - NOVEMBER 2017

- Led committee in design, logistics, and completion of youth group activities.

Skills

- Certified SolidWorks Associate, Autodesk Inventor, Autodesk CFD, MATLAB, Java, Microsoft VBA, MS Office