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Janna Gilleman

SKILLS

Fluent in: Fusion 360, Arduino, Raspberry Pi, Mbed

Comfortable with: AutoDesk CAD, Siemens Nx CAD; Code in C, HTML, R, Python, Javascript, Assembly, C++, Java; Adobe After Effects, Lightroom, Animate, Photoshop; Logic design

EXPERIENCE

Jarvis Surgical, Westfield MA— *General Intern*

2019-2020 SUMMERS

- Updated surgical implant OP-sheets for the engineering team in *SIEMENS NX*.
- Worked multiple machines manufacturing high precision surgical knee, ankle, and shoulder implants. (Sand Blaster, Tormach mill, CMM, Laser Engraver)
- Quality inspected final implants and readied them for shipping.

Sustainable Materials Lab, Smith College— *Research Assistant*

June 2021 - February 2022

- Fabrication and testing of sustainable flax composite materials; study of size effect
- A position was opened up for me to come in and design a more sustainable vacuum infusion rig, as well as to create devices which allowed the standardization of the tabbing process, increasing the amount of collectable data for my Professor's research paper on size effects.
- Use of Instron: material strength testing instrument.

EDUCATION

Smith College, Northampton MA— *General Engineering*

September 2020 - PRESENT; Overall Grade Point Average 3.80

- General Engineering Major, Philosophy Minor, Concentration in Sustainability

Hartsbrook High School, Hadley MA— *graduate 2020*

Middle - High School; Overall Grade Point Average 4.16

- A Waldorf School revolving around inner development in parallel to standard education. Centers around hands-on learning in the natural environment.

AWARDS

Audible Mention-Harvard Model UN 2018
Scholastic Writing Gold Key Award 2017