
Portfolio

<https://nicsterish7.github.io/>

Experience

IMI NORGREN

Mechanical Engineer

(Sep 21-Present)

- Design engineer for Norgren Adaptix. Designed, tested, and completed several new parts and subsystems for volume manufacturing in an entirely novel product.
- Delivered prototype product designs in Norgren Innovation team in robotic material handling, air preparation, and linear motion.
- Organized Augmented Reality roll-out to 3 manufacturing sites in the Americas.
- Responsible for group FEA and generative design training.

IMI Grad – R&D Rotation II

(Mar 21-Sep 21)

- Led multi-disciplinary innovation team in vertical farming and process control.
- Implemented new Augmented Reality guides for training and on complex assemblies.
- Led internal engineering prototype organization and clean-up

IMI Grad – Operations Rotation

(Sep 20-Mar 21)

- Overhauled RMA process for site in Rockford, IL. Reduced RMA cycle time by over 50% and reduced open RMA count by 50%
- Resolved hundreds of customer problems and requests

IMI Grad – R&D Rotation I

(Mar 20-Sep 20)

- Generated new product for IMI Norgren under Growth Accelerator program, addressing a new market with projected revenues of +£100 million. Co-Inventor on 4 provisional patents.
- Designed prototypes and test parts for both in-house and outside manufacture, selected necessary hardware, conducted extensive FEA and physical testing.

IMI Grad – Business Dev. Rotation

(Sep 19-Mar 20)

- Managed Growth Accelerator team, organizing global team in identifying and delivering a new market with revenues of +£100million.
- Conducted >70 voice of customer interviews to identify opportunities and explore markets.

PRATT & WHITNEY

Programs Intern

(Jun 17-Aug 17)

- Assisted team in critical upgrade activities for newly delivered engines by managing field issues, suppliers, and planning fleet retrofits.

COLORADO HOUSE OF REPRESENTATIVES

Legislative Intern

(Feb 17-May 17)

- Provided broad research for bills on healthcare, environment, and elections.

Education

COLORADO SCHOOL OF MINES

B.S. Dec 2018 (Cum Laude)

Major: Mechanical Engineering
Minor: McBride Honors Program

GPA: 3.57

Skills and Certifications

- **Engineering:** Mechanical Design, Fluid Dynamics, FEA, Feedback Control, DFMEA, Material Processing, CFD, GD&T (ASME Y14.5)
- **Manufacturing:** Lean Manufacturing, Quality, Value Stream Mapping, Augmented Reality
- **Computer:** MATLAB, SolidWorks, Autodesk Suite, LabVIEW, EBS, Mathcad, MS Office

Certifications:

- SolidWorks Associate
- Certified Fluid Power Specialist