

ANDREW AVERILL



CONTACT

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☎ (508) - 404 - 5180
📍 Downingtown, PA

EDUCATION

📅 Sep. 2013 – Jun. 2018

 **Drexel University**
Bachelor of Science
Mechanical Engineering
Minor - Business Administration

📅 Mar. 2020

 **Harvard Business School Online**
CORe Credential of Readiness

ACCOMPLISHMENTS

- 📅 2014
Provisional Patent
Firefighting Search & Rescue Drone
- 📅 2022
Patent Pending
Structural Cable Termination
Assembly US20230384128A1

SKILLS

Software	Machining
Solid Works	3D Printing
Onshape	Drill Press
PTC	CNC
Creo & Windchill	Mill
Infor LN	Lathe
Inventor	Band Saw
AutoCAD	Table Saw
Microsoft	EDM
Office	Carbon Fiber
ANSYS	layup
SAP	

Programming Languages

Python
MATLAB
Lab VIEW
Arduino
C
R

WORK EXPERIENCE

International Flavors & Fragrances



Digital Champion & Engineering Manager

📅 Mar. 2022 – Present 📍 Wilmington, DE

- **SLOB & Scrap Analysis:** Performed in-depth analysis to identify and reduce slow-moving and obsolete inventory.
- **Reporting Standardization:** Designed and implemented standardized reporting to improve data accuracy and consistency.
- **Initiative Leadership:** Led investigation, development, and tracking of operational initiatives to drive efficiency and ensure on-time delivery.
- **Capital Project Support:** Supported large-scale capital projects through FEL stages, developing Basic Data Packages to define scope, cost, and schedule.

WireCo World Group - Phillystran



Engineering Manager

📅 Oct. 2018 – Mar. 2022 📍 Montgomeryville, PA

- Manage cross functional teams including business management, marketing, and engineering to deliver business wide projects on-time, within scope and budget
- Delegate project tasks based on staff members' individual strengths, skill sets and experience levels
- Lead project teams to define objectives, strategy, resources, costs and schedule to ensure flawless product development & launch
- Conduct market research to evaluate similar products and their functions
- Redesign existing products to enhance functionality and/or reduce costs
- Develop R&D departments budget and plan annually

Research & Design Engineer

- Lead new product development from ideation to market
- Implemented and developed new engineering processes using project management software to automate communication to stakeholders on key information
- Managed setup and roll out of new ERP system
- Created cost modeling system for new and existing products

Chief Technologies

Design/Mechanical Engineer



📅 Apr. 2017 – Oct. 2018 📍 West Chester, PA

- Aided in the design, manufacturing, and assembly of high flow remote control monitors and nozzles
- Modified design of prototype to be a mass production ready modular system
- Created CAD drawing packet for the manufacturing of standardized products
- Worked with 3rd party manufacturers to design and create parts surpassing in house capabilities, prioritizing quality and cost
- Designed foam delivering, custom utility trailers for industrial and municipal fire departments

Globus Medical



Product Development Engineering Co-op

📅 Apr. 2016 – Sep. 2016 📍 Audubon, PA

- Aided in design and development of Anterior Cervical Spine surgical devices
- Designed fixtures to manufacture production devices
- Developed manufacturing processes to decrease production costs
- Designed and manufactured prototypes for surgical tools
- Performed cadaveric surgeries to test and review surgical devices
- Prepared CAD drawings for manufacturing of surgical devices

High Concrete Group



Marketing and Online Advertising Specialist

📅 Mar. 2015 – Sep. 2015 📍 Denver, PA

- Aided in design and implementation of 5-year vision plan for layout of plant
- Provided financial analysis for potential future projects
- Performed and analyzed time studies to increase the sales team's estimating accuracy
- Designed parts and processes to improve efficiency of the plant under the Lean Six Sigma guidelines

BNS Solutions



Marketing and Online Advertising Specialist

📅 June. 2013 – Aug. 2013 📍 Walpole, MA

- Performed mechanical and electrical systems tests to advise companies on manufacturing and design projects
- Participated in multinational conferences to advise multi-million-dollar companies on production decisions