Eno Shira, EIT

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Professional Experience

Fastener Dimensions, Inc. **Pennsauken, New Jersey**
Manufacturing Engineer April 2024—Present

- Developed an average of 12 routers and travelers per month for the manufacturing of aerospace-standard fasteners, including NAS, MS, AN, and AS, while ensuring conformity with industry regulations, specifications, and standards
- Created an average of 20 manufacturing shop, tooling and outside vendor prints per month to support the production of aerospace fasteners
- Communicated with vendors and suppliers regarding outside services, including heat treatment, coating, testing, and other processes, to allow for timely delivery and adherence to quality standards
- Created an average of 60 purchase orders per month for outside processes, ensuring timely execution and compliance with regulations and standards as well as budgetary requirements
- Led and contributed to continuous improvement projects, improving process efficiency and achieving an On-Time Delivery (OTD) rate of 94% while driving cost reductions in manufacturing operations

SPS Technologies **Jenkintown, Pennsylvania**
Engineering / Operations Co-op May 2020—September 2020

- Performed root cause analysis for defective and scrap parts for the 12 bolt departments in the organization
- Collected, interpreted, and distributed data concerning bolt shop order rejections for the use of supervisors in daily meetings
- Automated worksheets for the production of monthly quality report cards given to operators
- Contributed and engaged in 6S projects used to improve productivity, organization, and safety in the workplace, resulting in an annual cost savings of approximately $36,000
- Designed structures to be used for the improvement of the disposal of twist-off splined extensions
- Fabricated tool holders to be used for the storage and organization of operator tooling and equipment

Eaton Corporation **Glenolden, Pennsylvania**
Manufacturing Engineering Co-op April 2019—September 2019

- Designed fixtures to be used during the assembly and fabrication process to increase efficiency
- Produced floor layout for entire facility to be used as a lean manufacturing tool
- Participated in Rapid Improvement Events for the elimination of waste in manufacturing processes and increased productivity using 3P, 5S+, Standard Work, and VSM
- Developed and released Manufacturing Instructions
- Conducted time studies for the calculation of cost out and verification of processes to be used for the justification of the purchase of a new laser marking machine
- Utilized vinyl cutter software to create masking templates for paint processes

Education

Drexel University **Philadelphia, Pennsylvania**
Master of Science in Mechanical Engineering **(Cuml. GPA: 3.66)** September 2021—March 2023
Bachelor of Science in Mechanical Engineering, Aerospace Concentration **(Cuml. GPA: 3.51)** September 2016—June 2021

- **Honors and Awards:** Pi Tau Sigma International Honor Society, Dean's List Distinction, AJ Drexel Merit Scholarship, Graduated Cum Laude

Skills/Certifications

Software: Microsoft Office, SolidWorks, Creo Parametric, CATIA, Fusion 360, Inventor, AutoCAD, SmartDraw, Ansys, LabView, ModelSim, MultiSim, Graphtec, Visual Analysis, IBM SPSS, 3D Printing, JobBOSS
Programming Languages: MATLAB, Python, CSS, HTML
Languages: Conversational Spanish, Fluent Albanian
Certifications: EIT Certification, Pennsylvania, October 2023
Interpersonal Skills: Communication, Problem-solving, Teamwork, Adaptability, Time management, Attention to detail

Project Experience

Arduino Surveillance Eyewear Project **Drexel University**
Lead CAD Designer September 2020—June 2021

- Designed and simulated novel eyewear product that allows the user to view video feed from a camera accessory placed anywhere within wireless range
- Developed CAD part and assembly files for the utilization in simulation and fabrication of a working prototype as well as for a proof of concept model used in presentations and technical reports
- Presented process and results of one of two working models for product to Drexel University advisor, staff, and peers
- Wrote product proposal and technical report for perusal of stakeholders and other interested parties

Photovoltaic Cellular Charger Project **Drexel University**
Designer and Theoretical Analyst March 2017—June 2017

- Designed and fabricated a photovoltaic cell phone charger with reasonable recharge time
- Tested prototype for efficiency and functionality with a series of tests carried out in varying environmental conditions
- Presented finished project in front of a panel of Drexel University professionals in relevant field