Eno Shira

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Professional Experience

Drexel University — **Philadelphia, Pennsylvania**
Student Grader—MEM 351: Dynamic Systems Laboratory I — January 2023—April 2023

- Graded and provided timely written feedback for 5 biweekly group lab reports across 6 different lab sections spanning 115 students
- Compiled, analyzed, and submitted student grading data for the Accreditation Board for Engineering and Technology (ABET) assessment
- Initiated and scheduled meetings with the class professor to discuss grading protocols and progress as needed

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
- 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

C. & J. Nyheim Plasma Institute — **Camden, New Jersey**
Student Researcher — April 2018—September 2018

- Simulated fluid flows of various properties through different geometries to help in the research of applied plasma
- Presented simulated results and other findings to the employer and other relevant researchers
- Assisted in organization and implementation of the 7th International Conference on Plasma Medicine

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:** Dean's List Distinction, AJ Drexel Merit Scholarship, Graduated Cum Laude

Skills/Certifications

Software: Microsoft Office, SolidWorks, Creo Parametric, CATIA, Fusion 360, AutoCAD, Ansys, LabView, ModelSim, MultiSim, Graphtec, Visual Analysis, IBM SPSS, 3D Printing
Programming Languages: MATLAB, Python
Languages: Conversational Spanish, Fluent Albanian
Certifications: EIT Certification, Pennsylvania, October 2023

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

Activities

Member, Pi Tau Sigma International Honor Society, 2020—Present
Member, American Society of Mechanical Engineers, 2018—Present