

Abeer Naeem

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Education

Master of Engineering in Mechanical and Aerospace

Illinois Institute of Technology - Chicago, IL

Graduation

May 2021

◦ GPA: 3.84

Bachelor of Science in Mechanical Engineering

Illinois Institute of Technology - Chicago, IL

Graduation

May 2021

◦ GPA: 3.78

Experience

S&C Electric - Plating and Galvanizing Operations

Operations Intern

June 2020 - August 2020

- Accelerated the ordering of four new Plating Lines by creating 3D models and technical drawing packages of existing equipment using Solid Edge
- Designed and refined older P&IDs of the wastewater treatment system through Microsoft Visio
- Quality controlled and evaluated products to verify they were up to the required client specifications
- Authored detailed reports and recommendations for each of the four plating lines to ensure better quality control
- Successfully developed a service to automate data logging tasks between team members and engineers via Microsoft Flow (Power Automate). Transitioned from paper to digital which expedited the process and improved the analytical capabilities of the engineering team.

S&C Electric - Polymer Production

Process Intern

September 2019 - December 2019

- Coordinated with two teams to build a Finite Element Analysis (FEA) model to assess and optimize molding operations
- Analyzed, optimized, and modeled fixtures in Solid Edge to help increase the efficiency of the team members on the manufacturing floor
- Worked with Tooling Machines (Lathe, Drilling, Milling, etc) to examine, clean, and repair molds
- Used Microsoft Excel to research and analyze data from an experimental product to evaluate if it was viable for production
- Co-authored technical documentations on current working procedures for future employees to follow and learn from
- Established an interactive guide for a procedure using HTML to decrease the time the company spent training employees every year.

Staples

Team Member

July 2019 - August 2019

- Provided service to a variety of customers and negotiated solutions
- Stocked, replenished, and organized inventory with accuracy and efficiency
- Managed phone orders, cashiering duties, returns and exchanges, and customer queries simultaneously

Technical Skills

◦ FINITE ELEMENT ANALYSIS (FEA):

- ANSYS (Intermediate)
- SigmaSoft Virtual Modeling (Beginner)

◦ PROGRAMMING

- HTML (Advanced)
- CSS (Advanced)
- Microsoft Flow/Power Automate (Intermediate)
- MATLAB (Intermediate)
- L^AT_EX (Intermediate)

◦ 3D/2D MODELING (CAD)

- Autodesk Inventor (Advanced)
- Solid Edge (Advanced)
- PTC Creo (Advanced)
- SOLIDWORKS (Intermediate)
- Microsoft Visio (Intermediate)

◦ OFFICE SUITES

- Microsoft Office (Advanced)
- Google Office Products (Advanced)

Interests and Hobbies

- **ACADEMIC:** Automation, Design, Automotive Engineering, and Energy Industry
- **PERSONAL:** Basketball, Football, Video Games, and Technology - Keeping up with the Latest Releases