

Jonathan Sammon

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(216) 392 4189

Education

Northwestern University: Evanston, IL

Sept 2013-June 2018

- Robert R. McCormick School of Engineering and Applied Science
- Dual Bachelors of Science in Manufacturing and Design Engineering and Mechanical Engineering
- Certificate: Cooperative Engineering Education Program (Co-Op)
- Honors: Cum Laude, Tau Beta Pi, Pi Tau Sigma

Experience

Reynolds Consumer Products (Tableware division): Lake Forest, IL

Senior Product Development Engineer (*July 2023-present*), formerly **Product Design Engineer** (*Aug 2020-Aug 2023*)

- Sketch, model, and render new product concepts for Hefty-branded and private label tableware, including thermoformed cups and lids, injection-molded cutlery and plates, and molded fiber plates and containers.
- Communicate design concepts to marketing and manufacturing teams to refine concepts
- Manage project timelines and capital requests for purchasing of tooling and capital related to new products
- Run product trials and supervise first production of products, using statistical methods to measure success
- Develop new testing methods and refine existing methods using gauge R&R studies and related methods
- Administer the product data management (PDM) system for all Tableware product and tooling data

Marmon Foodservice Technologies: Carol Stream, IL

Mechanical Engineer (new product development) *July 2018-July 2020*

- Conducted observational studies in restaurant kitchens to develop value propositions for new equipment
- Designed prototype gas-fired cooking appliances for application in a commercial kitchen environment
- Evaluated prototypes using design of experiments methodology
- Analyzed and present experimental data; propose and execute design improvements based on findings
- Interacted directly with a global quick-service brand to demonstrate equipment and certify it for use in stores
- Reviewed designs and components for compliance with NSF, UL, CSA (ANSI), CE, NFPA, and other standards
- Documented inventions for patent filing (four patents currently pending)

Marmon Foodservice Technologies: Carol Stream, IL

Engineering Intern *June-Sept 2017*

- Conducted time studies and line balancing, reducing cycle time on one assembly line by an estimated 35%. Authored a VBA-based application to make future line balancing analysis faster and more efficient.
- Created industrial design sketches, flowcharts, and other visuals to present a series of novel methods and devices developed by myself and other interns to improve the sandwich-making process (one patent pending)
- Designed, built, and tested several works-like prototypes of devices to hold, heat, and measure hot coffee

Engineering Co-Op, S&C Electric Company: Chicago, IL

5 quarters spread over 2015-2017

Polymer Products Department, Underground Switching & Protection Department, and US Manufacturing Department

Technical Skills

- Computer-Aided Design (Solidworks, NX, OnShape, Creo)
- Computer Programming (C, PHP, SQL, VBA, MATLAB)
- Rapid Prototyping (Foamcore, 3D printing, Laser-cutting, CNC)
- Design of Experiments (including regression analysis)
- Mechatronics prototyping (sensors, motors, and electronics)
- Tolerance analysis (GD&T)

Soft Skills

- Technical writing
- Project management
- Patent analysis and documentation
- Graphical presentation of data
- Industrial design
- Human-centered design