



980-444-4444 | jfitzpatrick@email.com | Madison, WI

Targeted Role: **Plastics Engineer**

Aspiring engineer with valuable experience in tooling design, shortening product development time, and improving quality.

MINITAB

SOLIDWORKS

INJECTION MOLDING

PROENGINEER

EXTRUSION EQUIPMENT

ASSEMBLY & PACKAGING

AUTOCAD

QUALITY PLANNING (APQP)

TOOLING DESIGN

EDUCATION

UNIVERSITY OF IOWA | **Mechanical Engineering** | *Iowa City, IA*

5/2018

GPA: 3.8

Relevant Coursework:

- Design for Manufacturing and Assembly, Energy Systems Design, Thermodynamics, Engineering Mathematics V, Vector Calculus.

ENGINEERING EXPERIENCE

NORTH IOWA PLASTICS | **Plastics Intern** | *Fort Madison, IA*

5/2017-8/2017

Assisted lead engineer with new customer projects, tooling improvements, and injection molding equipment installations. Gained exposure in tooling design and SOLIDWORKS program. Served medical device, automotive, and commercial electronics markets. Used Microsoft Word, Excel, Visio, and Access daily.

- Reduced tooling lead time on medical device project by three weeks.
- Increased speed to market by two months for Greenfield project. Used Fused Deposition Manufacturing (FDM) and cycle testing equipment to prove functionality and reliability when designing components.
- Improved sustainability and saved 8% in material costs by researching and testing new material options.

J.A.D. PLASTICS | **Injection Molding Co-Op Student** | *Des Moines, IA*

5/2016-12/2016

Designed, built, and sampled injection molds and gathered/analyzed data on new process implementations. Participated in tool design meetings and trials, project scheduling, and customer communications. Prepared customer presentation materials and handouts. Supported the company's quality control system, learning principles of ISO 13485 certification.

- Minimized waste – part of sustainability team incorporating materials with 50% post-consumer recycled plastic.
- Attained component qualification four weeks ahead of schedule by utilizing production part approval process (PPAP) standards.
- Commended for quickly learning Minitab to validate first article inspections on Rockwell Collins project.

JAMIE FITZPATRICK 980-444-4444 | jfitzpatrick@email.com | Madison, WI

DENISSEN COMPOSITES | **Production Technician** | *Madison, WI*

Summers 2014, 2015

Assembled plastic parts from injection molding machines, packed products, and reported production to Inventory Quality Management System (IQMS).

- Earned Line Leader responsibilities. Performed quality checks of parts and reviewed team's completed parts.
- Saved money by tracking the amount of scrap materials and completing daily production reports.

OTHER WORK EXPERIENCE

TCB LAWN CARE AND LIGHTING SERVICES | **Customer Outreach Specialist** | *Iowa City, IA* 9/2015-5/2016

Introduced company to potential customers by canvassing door to door offering homeowners lawn care and holiday lighting quotes. Represented TCB with honesty and integrity utilizing strong verbal communication skills.

- Exceeded company sales goals by 27% – sold and scheduled service to 12 customers per week.
- Worked independently, setting schedule to coordinate with customer availability.

UNIVERSITY OF IOWA | **Campus Bus Driver** | *Iowa City, IA*

9/2014-5/2015

Operated a transit coach on fixed and special event routes. Provided safe, reliable, and friendly service to students. Maintained a Commercial Driver's License (CDL).

- Earned promotion – entrusted to operate a specialized demand-response service for persons with disabilities.
- Chosen as team trainer after only six months. Provided new driver training, evaluations, spot checks, re-training, and service observations.
- Recognized for 100% accident-free throughout employment.
- Selected to assist supervisor with accident investigations.

PROFESSIONAL FRATERNITY

UNIVERSITY OF IOWA | **Pi Tau Sigma** | *Mechanical Engineering Honors Fraternity*

9/2014-5/2017

Vice President

9/2016-5/2017

- Organized networking events, corporate speakers, and engineering panels.
- Chaired MathCounts fundraising event raising \$3000.00 for area middle school math programs.

VOLUNTEER

JUVENILE DIABETES RESEARCH FOUNDATION (JDRF) | **Co-Chair** | *Iowa City, IA*

9/2016-5/2017

Promoted diabetes education and research.

- Raised \$5200 for Type 1 diabetes research.
- Co-chaired the JDRF Ride to Cure Diabetes charitable bike ride – organized location, obtained routing and permits, secured donations, recruited participants, and contracted entertainment.
- Coordinated publicity campaigns including news releases, social media marketing, and website communications.

UNIVERSITY OF IOWA | **OnIowa! Volunteer** | *Iowa City, IA*

9/2014-12/2016

Assisted students in acclimating to their new environment. Served as a mentor for 25 Engineering students. Organized small group activities and helped with residence hall move in.

- Mentored students with diverse personalities and backgrounds through supportive communication and responsive leadership.
- Collaborated with administrators, faculty, and student leaders on program design and scheduling.

New Graduate: Strategy

Jamie worked diligently to gain comprehensive engineering and leadership experience. He deserved a document that helped him stand out from his peers. The goal was to showcase his interdisciplinary plastics experience but also highlight a well-rounded individual – outside of engineering.

The resume's design called for a balance between the traditionally conservative engineering field with the innovative plastics industry. The header graphic was chosen after Jamie revealed that as a young boy he had a love of gears and a curiosity for all things machine driven. Jamie was drawn to engineering after years of *needing* to know how mechanical objects worked.

Jamie felt strongly about drawing attention to his volunteer and leadership efforts. He targeted companies known for their philanthropy and felt showcasing volunteerism would emphasize common values. We also discussed how his leadership experience within his fraternity would resonate with hiring managers.

Jamie landed six interviews within the plastics and mechanical engineering fields. He accepted a position with a charitable company who stated they needed a new hire with SOLIDWORKS design experience who was able to hit the ground running.