Joseph Kim

Manufacturing & Engineering Associate Intern

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STRENGTHS

Analytical Thinking
Employs analytical skills to tackle challenges and deliver innovative solutions across projects.

Collaboration
Emphasizes teamwork as key to success, forging strong connections with peers and faculty alike.

Problem-Solving
Excels in resolving complex issues efficiently and effectively, embodying adaptability in varying situations.

Continuous Improvement
Champions a mindset rooted in ongoing enhancement, fueling motivation to optimize both processes and personal performance.

Effective Communication
Utilizes clear communication strategies, ensuring concepts are conveyed details don't get lost in translation.

SKILLS

Process Improvement
Data Analysis Team Leadership
Project Management AutoCAD
MATLAB Six Sigma
Communication
Food Process Engineering
Packaging Solutions
Critical Thinking
Sustainable Practices
Research Methodology

SUMMARY

Enthusiastic engineering student with hands-on experience in manufacturing and process optimization through academic projects. Passionate about implementing effective solutions to enhance operational efficiency, leading teams, and fostering a culture of continuous improvement. Diligently pursued opportunities to gain practical skills in processing and packaging systems, all while cultivating strong relationships within diverse teams. Eager to contribute this knowledge at Bright Foods, committed to supporting the food industry's innovation and development.

EDUCATION

Bachelor of Science in Engineering

University of Illinois at Chicago GPA: 3.6 2028 Chicago, IL

Coursework: *Advanced Manufacturing, Process Optimization, Sustainable Materials, Statistical Analysis*

TECHNICAL SKILLS

- **Manufacturing Tools:** Lean Principles, Six Sigma, Continuous Improvement
- **Software Applications:** MATLAB, AutoCAD, SolidWorks
- **Research Techniques:** Statistical Analysis, Prototyping, Laboratory Testing
- **Project Management:** Timeline Planning, Stakeholder Engagement, Workflow Optimization
- **Communication Tools:** Presentation Skills, Written Correspondence, Team Collaboration
- **Sustainability Practices:** Biodegradable Materials, Eco-Friendly Solutions, Life Cycle Assessment
- **Data Management Systems:** Microsoft Excel, Data Visualization, Reporting Tools
- **Compliance Standards:** Food Safety Regulations, Manufacturing Standards, Environmental Guidelines
- **Leadership Development:** Mentoring, Team Building, Workshop Facilitation
- **Strategic Thinking:** Problem Solving, Decision Making, Change Management

EXPERIENCE

Manufacturing Optimization Developer

University Project January 2026 - Present Chicago, IL

Focused on optimizing production processes in a simulated setting. This role encompasses a synthesis of cross-functional collaboration, advanced tools, and operational strategies aimed at enhancing productivity.

- Designed a project improving production efficiency using Lean principles and Six Sigma methodologies.
- Collaborated with five peers to create solutions that reduced waste, notably boosting overall productivity.
- Analyzed data with MATLAB to identify production line bottlenecks and delivered findings to faculty.
- Established a feedback mechanism for continuous improvements based on real-time data inputs.
- Crafted training materials for peers, thereby reinforcing understanding of process enhancements.

Student Research Assistant

Engineering Innovation Lab September 2025 - December 2025 Chicago, IL

Assisted in sustainable packaging research focused on biodegradable material evaluation, integrating lab efforts with theoretical analysis to guide innovations.

- Supported research on eco-friendly packaging, leading to valuable insights on material effectiveness.
- Conducted tests comparing durability aspects, achieving significant cost savings in materials used.

Prototyping Statistical Software

Operational Efficiency

LANGUAGES

English — Native

Korean — Intermediate

MY CAREER

- Manufacturing Optimization Developer at University Project (7 Months)
- Student Research Assistant at Engineering Innovation Lab (3 Months)
- Food Processing System Analyst at Capstone Project (4 Months)

- Collaborated within a multidisciplinary team to develop a research paper for presentation at an esteemed engineering conference.
- Successfully prototyped an eco-friendly solution and tested it in practice, garnering positive feedback from stakeholders.
- Managed precise data collection and analyzes with statistical software to ensure results accuracy.

Food Processing System Analyst

Capstone Project | January 2026 - May 2026 | Chicago, IL

Led a capstone initiative dedicated to designing an efficient food processing system. Engaged with industry experts to meld academic knowledge with real-world applications, strategizing high-impact outcomes.

- Spearheaded a team designing a food processing system maximizing efficiency per industry standards.
- Created detailed system models and visualizations employing AutoCAD and SolidWorks.
- Analyzed energy consumption metrics, proposing methods to achieve substantial operational cost reductions.
- Interfaced with industry stakeholders to gather insights, strengthening engagement and project context.
- Presented final project results to industry professionals, securing commendations for its innovation and practicality.

LEADERSHIP & AWARDS

- Dean's List (2025)
- Dean's List (2026)
- Engineering Scholarship Recipient (2025)

CERTIFICATIONS

- Lean Six Sigma Green Belt 2026
- First Aid/CPR Certification 2025

PROFESSIONAL AFFILIATIONS

- Member, Engineering Society, University of Illinois (2025 - Present)
- Volunteer, Local Food Bank (2025 - Present)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST