

Jaxon Green

Chemical Engineer I

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SUMMARY

Entry-level Chemical Engineer skilled in applying chemical engineering principles to enhance process efficiency and ensure product quality. Completed a Bachelor of Science in Chemical Engineering, emphasizing teamwork and collaboration with diverse stakeholders. Proven ability to assist in the design and evaluation of engineering projects, ensuring alignment with quality standards. Passionate about leveraging analytical thinking to improve productivity across various engineering processes. Strong commitment to engaging with peers and mentors for ongoing development and knowledge-sharing within the field.

EDUCATION

Bachelor's Degree in Chemical Engineering

University of Kansas 🎓 GPA: 3.5 📅 2026 📍 Lawrence, KS

Coursework: Thermodynamics, System Dynamics, Fluid Mechanics, Process Design

TECHNICAL SKILLS

- **Testing Methodologies:** Statistical Process Control, Quality Audits, Performance Testing
- **Engineering Software:** MATLAB, Simulink, Aspen Plus
- **Technical Documentation:** Process Flow Diagrams, Evaluation Reports, Test Procedures
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Data Analysis Tools:** Excel, Python, R
- **Design Software:** AutoCAD, SolidWorks, Chemical Simulation Software
- **Communication Tools:** Slack, Zoom, Google Meet
- **Safety Standards:** OSHA Guidelines, ISO Certifications, Workplace Safety Procedures
- **Renewable Energy Systems:** Solar PV, Wind Turbines, Battery Storage Technologies
- **Quality Improvement Tools:** Six Sigma techniques, Lean methodologies, Root Cause Analysis

SKILLS

- Analytical Thinking
- Engineering Methodologies
- Team Collaboration
- Project Management
- Data Analysis
- Quality Assurance

EXPERIENCE

Capstone Project Developer

University Project 📅 August 2025 - May 2026 📍 Olathe, KS

Contributed as Capstone Project Developer within university settings focusing on developing sustainable energy systems. Engaged deeply in managing, designing, and evaluating the execution of key project components while collaborating with fellow engineering students. This position emphasized interactive problem-solving and refined engineering methods applied in real-world scenarios.

- Conducted comprehensive analysis of chemical processes for a renewable energy initiative, applying sound mathematical computations.
- Developed test procedures to assess performance metrics of energy systems, enhancing data collection precision.
- Collaborated seamlessly to create a prototype that met project specifications, aligning with stakeholder expectations.
- Prepared thorough evaluation reports detailing discrepancies and recommendations, bolstering team presentations.
- Assisted in securing essential tools and equipment, ensuring adherence to quality benchmarks and timelines.
- Engaged effectively with faculty and industry professionals for insights, boosting project quality.

Research Assistant

Academic Research 📅 August 2024 - May 2025 📍 Olathe, KS

Actively supported various research projects targeting challenges within chemical engineering methodologies. Utilized strong analytical skills and technical expertise to produce solutions and optimize research outcomes.

- Assisted in documenting and preparing research artifacts, maintaining clarity and academic rigor.
- Evaluated experimental data systematically, providing critical analytical insights influencing project directions.
- Collaborated constructively with faculty to streamline research approaches, enhancing project efficiency.
- Conducted extensive literature reviews analyzing modern technologies in chemical engineering for supportive insights.
- Presented findings at departmental seminars, earning accolades for clarity and presentation finesse.
- Facilitated productive discussions fostering collaborative improvements wherever needed.

LEADERSHIP & AWARDS

- Dean's List, 2024, 2025
- First Place, University Engineering Competition, 2025

CERTIFICATIONS

- Fundamentals of Engineering (FE) Certification 📅 2026
- OSHA Safety Certification 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Chemical Engineering Society, 2024 – Present
- Volunteer, STEM Outreach Program, 2025

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST