

Orion Knight

Process Engineering Co-Op

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SUMMARY

Dedicated engineering student energized by hands-on experience in process optimization and data analysis. Proficient in creating digital tools aimed at improving manufacturing processes, enhancing product reliability, and supporting technology evaluations. Skilled collaborator recognized for teamwork in multifaceted projects. A genuine passion drives efforts towards leveraging technology for operational efficiency and sustainability, ensuring positive contributions to corporate strategies.

EDUCATION

Bachelor's Degree in Engineering

University of Oklahoma 🎓 GPA: 3.5 📅 2027 📍 Oklahoma City, OK

Coursework: Thermodynamics, Manufacturing Processes, Control Systems, Data Analysis

TECHNICAL SKILLS

- **Data Visualization Tools:** Tableau, Microsoft Power BI, Google Data Studio
- **Programming Languages:** Python, R, SQL
- **Project Management Tools:** Trello, Asana, JIRA
- **Softwares:** MATLAB, AutoCAD, Microsoft Office Suite
- **Engineering Standards:** IEEE, ASME, ISO 9001
- **Digital Platforms:** Microsoft Azure, AWS, Google Cloud
- **Statistical Tools:** Minitab, SAS, SPSS
- **Collaboration Tools:** Slack, Zoom, Microsoft Teams
- **Communication Tools:** PowerPoint, Word, Excel
- **Manufacturing Software:** SolidWorks, LabVIEW, CATIA

SKILLS

- Data Analysis
- Team Collaboration
- Design Experimentation
- Presentation Skills
- Process Optimization
- Manufacturing Strategy
- User Testing
- Communication Skills
- Digital Tool Development
- Asset Performance Monitoring
- Troubleshooting
- Project Management
- Technical Reporting
- Sustainability Practices
- Research Methodologies

EXPERIENCE

Process Engineering Intern

University Project 📅 January 2026 – May 2026 📍 Oklahoma City, OK

Gained insightful experience tackling equipment reliability concerns in manufacturing via a capstone initiative. Supported by hands-on tasks that strengthened data analytics capabilities while optimizing process outcomes.

- Analyzed data trends related to asset performance, contributing vital insights into manufacturing safety protocols.
- Developed innovative digital tools for monitoring system health, considerably improving operational visibility.
- Supported capital project feasibility studies, offering comprehensive data analyses to guide decision-making processes.
- Drafted multiple technical reports and presentations to facilitate clear communication among various stakeholders.
- Participated in peer review sessions, fostering an environment of constructive critique to refine project methodologies.
- Employed advanced software tools for effective data visualization, resulting in significantly improved project outputs.

Student Research Assistant

Academic Research 📅 September 2025 – December 2025 📍 Oklahoma City, OK

Focused on sustainability practices within manufacturing, collaborating passionately with academic professionals and peers on impactful research endeavors.

- Conducted thorough research to understand sustainability measures, revealing key improvement areas in operations.
- Assisted in collecting and analyzing extensive datasets essential for drawing actionable conclusions strategically.
- Contributed meaningfully toward developing a digital platform for enhancing troubleshooting efficiencies.
- Collaborated closely with faculty members, gearing up for potential publications at recognized academic conferences.
- Initiated experimental designs targeting critical process safety metrics to establish better industry practices.
- Connected with industry partners for richer insights into practical applications of theoretical concepts and principles.

Team Member

Hackathon Project 📅 March 2026 📍 Oklahoma City, OK

Engaged in cross-disciplinary innovation during a university-based hackathon, showcasing skills in cooperation and technological problem-solving.

- Joined forces with an eclectic team in creating a prototype addressing pressing manufacturing challenges effectively.
- Conducted user testing diligently, gathering valuable feedback to enhance functional efficiency before final presentation.
- Presented deliverables to panels proficiently, earning accolades for both creativeness and practicality in projected solutions.
- Utilized coding and analytical skills purposefully to boost prototype performance well beyond initial expectations.
- Documented the entire development cycle meticulously, ensuring thoughtful reflections are useful for future projects.
- Learned swiftly from collaborative exchanges, reinforcing strengths in collective innovation settings.

LEADERSHIP & AWARDS

- Dean's List, University of Oklahoma, 2025
- First Place, University Hackathon, 2026

CERTIFICATIONS

- Google Data Analytics Certificate 📅 2026
- Coursera Digital Transformation Certificate 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association, 2025 - Present
- Volunteer, STEM Outreach Program, 2025 - Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST