Christian Armstrong

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SUMMARY

Current Chemical Engineering student eager to contribute skills in process safety and engineering documentation management. Demonstrated ability through academic projects, focusing on optimizing processes and supporting team collaboration. Proven organizational capabilities and adeptness with engineering tools promote operational enhancements in manufacturing settings. Committed to learning and gaining insights while making meaningful contributions in a professional environment.

EDUCATION

Bachelor's Degree in Chemical Engineering 2026

University of Washington GPA: 3.8 *Seattle, WA*

Coursework: *Thermodynamics, Fluid Mechanics, Chemical Process Safety, Process Dynamics*

TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, MATLAB, Aspen Plus
- **Documentation Tools:** Microsoft Word, Microsoft Excel, Visio
- **Data Analysis Tools:** Minitab, Python, R
- **Safety Standards:** OSHA, ISO 9001, ANSI Z10
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Testing Methodologies:** Statistical Methods, Root Cause Analysis, Design of Experiments
- **Project Management Tools:** Trello, JIRA, Asana
- **Industry Compliance:** FDA Regulations, EPA Standards, ANSI/RIA R15.06
- **Research Tools:** Literature Review, Technical Writing, Data Visualization
- **Collaboration Platforms:** SharePoint, Google Workspace, Confluence

SKILLS

- Process Safety Management
- Engineering Drawings (P&IDs)
- Microsoft Office Suite
- Data Analysis
- Team Collaboration
- Technical Documentation
- Field Verification
- Equipment Documentation
- Work Instruction Development
- Safety Protocols
- Compliance Records
- Laboratory Testing
- Experimental Designs
- Project Management
- Cross-functional Teamwork
- Technical Safety Communication

EXPERIENCE

Chemical Engineering Intern

June 2026 - Present

University Project *Remote*

Support for project documentation and compliance initiatives in process safety during chemical engineering capstone assignments. Collaborate within teams to enhance technical drawings and improve operating procedures.

- Collaborated with a team to develop and maintain engineering documentation for a capstone project, ensuring adherence to Process Safety Management standards.
- Created and updated engineering drawings using AutoCAD, focusing on P&IDs and equipment documentation for project presentations.
- Assisted in drafting and revising work instructions and operating procedures, enhancing clarity and compliance with industry standards.
- Conducted field verification of equipment tags and labels, ensuring accurate representation of process information in project documentation.
- Organized project documentation and data entry for compliance records, improving accessibility and accuracy of information.
- Participated in safety meetings, contributing to discussions about safety protocols and procedures in the engineering context.

Research Assistant

September 2025 - May 2026

Academic Research *Seattle, WA*

Engaged in research related to chemical process optimization and efficiency improvements across industrial practices. Supported evolving methodologies collaboratively with faculty members.

- Assisted in research focusing on chemical process optimization, analyzing data to identify efficiency improvements in manufacturing processes.
- Supported the development of experimental designs and methodologies for laboratory testing, enhancing research outcomes.

- Collaborated with faculty on projects involving engineering ethics and safety, presenting findings at university seminars.
- Contributed to maintaining laboratory equipment and ensuring compliance with safety standards.
- Engaged with peers in discussions about research findings, fostering a collaborative academic environment.
- Documented research processes and results, contributing to academic publications and presentations.

Team Member March 2026

Hackathon Project *Remote*

Participated in a fast-paced hackathon aiming to devise solutions for challenges faced in chemical engineering. Showcased creativity in implementing user-focused applications.

- Participated in a 48-hour hackathon focused on developing innovative solutions for chemical engineering challenges.
- Developed a prototype for a safety management application, utilizing Microsoft Office applications for project documentation and presentation.
- Worked collaboratively in a team to brainstorm and implement solutions, demonstrating strong communication skills under pressure.
- Presented the project outcomes to peers and judges, receiving feedback for further development.
- Utilized project management tools to organize tasks and contributions among team members.
- Engaged in post-event discussions to reflect on team dynamics and project learning outcomes.

LEADERSHIP & AWARDS

- Dean's List, University of Washington, 2024-2026
- First Place, University Hackathon, 2026

CERTIFICATIONS

- Microsoft Office Specialist Certification 2026
- Introduction to Process Safety Management 2026

PROFESSIONAL AFFILIATIONS

- Member, American Institute of Chemical Engineers, 2025-Present
- Volunteer Tutor, STEM Subjects, 2025-Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST