Akira Bowman

Petroleum Engineer

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STRENGTHS

Strong Problem-Solving
Ability demonstrated by developing creative solutions during engineering projects under tight deadlines.

Effective Communication
Improved team collaboration through clear presentation of ideas and technical concepts during discussions.

Team Collaboration
Cultivated strong interpersonal relationships while working within diverse teams on group assignments.

Innovative Thinking
Demonstrated by proposing actionable improvements during technical challenges impacting workflows.

Leadership Capabilities
Guided peers towards cohesive completion of group projects, fostering accountability and excellence throughout iterations.

SKILLS

Petroleum Engineering Principles

Data Analysis Software

Simulation Techniques

Technical Writing

Collaboration Skills

Advanced Computation

Environmental Impact Assessment

Hydraulic Fracturing Techniques

Geological Analysis

Project Management

Software Proficiency

SUMMARY

Driven Petroleum Engineering student seeking opportunities to tackle complex challenges in the fossil energy sector. Dedicated passion towards innovative solutions that improve efficiency and sustainability within petroleum operations. Academic projects provide hands-on experience using advanced technologies for drilling optimization and environmental assessments. Eager to contribute solid teamwork capabilities supporting asset management, project planning, along with technical documentation skills strongly aligned with industry standards.

EDUCATION

Bachelor's Degree in Petroleum Engineering

Colorado State University GPA: 3.8 2026 Fort Collins, CO

Coursework: *Thermodynamics, Fluid Mechanics, Reservoir Engineering, Drilling Engineering*

TECHNICAL SKILLS

- **Simulation Tools:** ANSYS, MATLAB, COMSOL
- **Data Analysis Tools:** Excel, R, Python
- **Modeling Software:** ECLIPSE, Petrel, OpenWells
- **Document Preparation Software:** LaTeX, Microsoft Word, Google Docs
- **Presentation Software:** PowerPoint, Prezi, Google Slides
- **Engineering Programs:** AutoCAD, Revit, SolidWorks
- **Statistical Tools:** Minitab, Tableau, SPSS
- **Project Management Software:** Trello, Asana, Microsoft Project
- **Field Study Equipment:** Core Sample Kits, High-Pressure Pumps, Geophysical Sensors
- **Ethics Standards:** NSPE Code of Ethics, ASCE Guidelines, SPE Best Practices

EXPERIENCE

Petroleum Engineering Intern

University Project June 2025 – August 2025 Fort Collins, CO

Supported impactful research and development as a Petroleum Engineering Intern focused on refining drilling techniques. Played key role in simulation and analysis to boost operational effectiveness across projects.

- Collaborated on optimizing drilling methods with modern technology resulting in enhanced simulation accuracy.
- Conducted thorough reservoir analyses employing sophisticated data assessment tools improving production output insights.
- Presented strategic findings in team meetings, leading to actionable recommendations for increased workflow efficiencies.
- Created technical documents adhering to rigorous industry standards, facilitating organizational compliance.
- Engaged with faculty mentors gaining real-world perspectives of best practices and innovation in petroleum engineering.
- Developed prototype monitoring system for analyzing well performance metrics crucial for real-time decision making.

Research Assistant

University Project September 2024 – May 2025 Fort Collins, CO

Engineering Ethics

Statistics for Engineering

Natural Resource Management

Drilling Technology

Regulatory Compliance

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Petroleum Engineering Intern at University Project (2 Months)
- Research Assistant at University Project (8 Months)

Contributed valuable knowledge and investigation skills as a Research Assistant addressing hydraulic fracturing environment implications. Involvement accentuated teamwork blending various disciplines for comprehensive research outcomes.

- Analyzed environmental impact through statistical software during hydraulic fracturing studies, contributing insightful data for discourse.
- Delivered research presentations at academic symposiums; received accolades for detailed clarity and analytical depth.
- Participated in geological field studies gathering critical information on extracting resource-sharing factors.
- Collaborated across multiple fields evaluating alternative energy solutions aimed at reducing carbon footprints.
- Assisted in formulating grant proposals expanding funding avenues for continued scientific explorations.
- Produced educational resources for facilitating peer workshops centered around sustainable engineering methodologies.

LEADERSHIP & AWARDS

- Dean's List, Colorado State University, 2024-2026
- First Place, Engineering Hackathon, 2025

CERTIFICATIONS

- Fundamentals of Engineering (FE) 2026
- Safety Training Certification 2025

PROFESSIONAL AFFILIATIONS

- Member, Society of Petroleum Engineers, 2024-Present
- Volunteer, Engineering Outreach Program, 2025

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST