

CHRISTIAN ABBOTT

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[LinkedIn.com/](#)

EDUCATION

Prairie View A&M University | Prairie View, TX | Expected December 2027

Bachelor of Science in Mechanical Engineering; 3.61/4.0 GPA

Minor in Computer Science

Honors College

TECHNICAL SKILLS

Technical: Microsoft Office , C++ , CAD (AutoCAD), MATLAB, Microsoft Teams , Microsoft PowerPoint , Microsoft Excel , UNIX, EES

PROJECT EXPERIENCE

NASA Space Lunar Washer/Dryer | Prairie View, TX | Fall 2024 - Fall 2025

Research

- Researched a water-efficient lunar washer-dryer utilizing mass balances and fluid dynamics modeling
- Designed system processes incorporating Arduino circuits and 3D-printed components
- Developed a closed-loop system aimed at minimizing water usage in space environments

Arduino PIR Sensor Alarm with LED & Buzzer | Prairie View, TX | Fall 2024

Design Specialist

- Enhanced my project by designing a circuit utilizing the Arduino kit
- Developed a detailed visual diagram using Tinkercad
- Programmed the project in C++ to incorporate functionality and deepen my technical expertise
- Presented a dynamic demonstration that impressed my organization

WORK EXPERIENCE

Chevron Oil & Gas | Houston, TX | May - August 2025

Digital Engineering Intern

- Developed an engineering calculator using Python, enhancing efficiency for engineers and production operators within the organization
- Collaborated with the Research & Development team to partner with vendors and third-party companies, focusing on advanced simulations and robotics for the Digital Twin platform
- Facilitated communication and coordination through meetings with both local and international teams at Chevron, ensuring alignment and progress on joint initiatives

Coterra/Devon Energy | Carlsbad, NM | May - August 2024

Production Engineer Intern

- Utilized advanced Excel functions to create a detailed cost analysis for transferring Vapor Recovery Units, resulting in annual savings of \$161,000 per year
- Developed and executed a comprehensive maintenance plan for vapor recovery units, resulting in a decrease in downtime and an increase in overall operational efficiency
- Utilized Ignition software to analyze production data, increasing efficiency metrics

ACTIVITIES & HONORS

University Honor Roll List; 2023, 2024, 2026 | GEM Applicant | Deans List 2025 | Prairie View A&M University, Robotic Club President, 2025 - 2026 | Prairie View A&M University, Robotic Club Vice President, 2024 - 2025 | Freshman Robotic Club Vice President, 2023 - 2024 | National Society of Black Engineers (NSBE) | Council of Distinguished Engineers (CODE) | Future of STEM Scholars Initiative Scholarship Recipient (FOSSI) | American Society of Mechanical Engineers (ASME) | CACI Space Exploration Software Simulation Initiative | PVAMU Ignite Hackathon | Sphero Racing Competition