

SKILLS SUMMARY

- Software: SolidWorks, MATLAB, Excel
 - Technical: Technical modeling, data collection, engineering analytic applications, numerical models
 - Programming: C++, VHDL, Python
 - Certifications: First Aid, CPR & AED (American Red Cross), CSWA, CSWA-S
 - Languages: Fluent in English, Spanish, and French
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EDUCATION

Bachelor of Science in Biomedical Engineering, Minor in Computer Science — University of Arkansas, Fayetteville, AR

Expected: May 2026

GPA: 3.4

Relevant Coursework: Computer programming, Electrical circuits, Linear Algebra, Biostatistics, Signals and Systems.

ENGINEERING-RELATED EXPERIENCE

Capstone Project — Go Baby Go, University of Arkansas

September 2025 – Present

- Redesigned 3 ride-on toy vehicles to support mobility and social participation for children
- Collaborated with healthcare professionals to gather performance and usability data to guide design improvements and ensure safety standards.
- Implement electrical/mechanical adaptations to ensure comfort and safety.

Entrepreneurial-Driven Knee Replacement Project, Fayetteville, AR

January 2023 – May 2023

- Designed a prototype rehabilitation solution using SolidWorks CAD and biomedical engineering principles.
 - Conducted 10+ structured tests to evaluate durability and usability.
 - Improved prototype reliability by an estimated 15-20% after design revisions
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WORK EXPERIENCE

Lifeguard — University of Arkansas, Fayetteville, AR

May 2022 – Present

- Monitor facility equipment; ensure regulatory safety standards for a facility serving 100+ daily users.
- Respond to emergencies; maintain precise incident documentation.
- Collaborate on preventive equipment checks and maintenance schedules.

Mechanic's Assistant — Volksur, La Paz, Bolivia

November 2019 – April 2020

- Conduct diagnostic testing and repairs on automotive electrical/mechanical systems.
- Maintain customer communication and service reports.

Assistant Manager — Risky Business Restaurant, La Paz, Bolivia

July 2018 – August 2019

- Manage daily operations, equipment functionality, and inventory.
 - Develop Excel automations for reporting (~10% efficiency increase).
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LEADERSHIP EXPERIENCE

Engineering World Health — University of Arkansas

Fall 2024 – Present

- Collaborate on engineering-based health solutions; prototype testing and data analysis under safety protocols.

Camp Counselor — Camp Frontier, Tampa, FL

Summer 2021

- Supervise 100+ campers; ensure equipment safety through routine inspections and preventive procedures.
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