

Nathaniel Bright

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Summary

Recent M.Eng. graduate in Computer Engineering with a B.S. in General Engineering and a minor in Computer Science. Strong foundation in software development, embedded systems, and reverse engineering. Proficient in C++, Python, and Ruby. Skilled in hardware integration, soldering, and technical problem-solving. Demonstrated strengths in leadership, adaptability, customer service, and communication. Recognized for hands-on initiative in academic research, team collaboration, and public engagement.

Education

Texas A&M University, College Station, TX – *M.Eng. in Computer Engineering* | GPA 3.5 (May 2025)

- Coursework-focused program emphasizing breadth over thesis
- Relevant coursework: Machine Learning, Operating Systems, Software Engineering, Networking & Protocols

Henderson State University, Arkadelphia, AR – *B.S. in Engineering, Minor: CS* (May 2023)

- NASA Workforce Grant recipient
- Led design of autonomous rover for intercollegiate competitions

North Arkansas College, Harrison, AR - *Cert. in Automotive Service Technology* (July 2019)

- 4th Place, SkillsUSA Arkansas State Competition
 - Completed hands-on training with local auto shops
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Technical & Academic Projects

Reverse Engineering – *Fall 2024*

- Employed Ghidra and GDB for static and dynamic analysis of obfuscated malware

Software Development – *Fall 2024*

- Collaborated on a team of 8 to build a contract cataloging system using Ruby on Rails for a regional government entity

Reinforcement Learning — Fall 2023

- Designed and tested basic reinforcement learning models for performance evaluation

Operating Systems — Fall 2023

- Partnered in a team of two to implement OS components using MIT's OSDev labs

Undergraduate Research / McNair Program — 2020-2023

- Awarded NASA SIT grant; founded and led a 5-person team designing a competition-grade autonomous rover
 - Specialized in extra-planetary autonomous navigation, research methods, and peer-reviewed academic writing
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Professional Experience

Wolf Creek Car Care — Lube Technician

College Station, TX | 2023-2024

- Performed oil changes and basic diagnostics, demonstrating attention to detail and problem-solving skills.
- Integrated with team members to ensure efficient workflow and timely service delivery.

O'Reilly Auto Parts — Retail Professional

AR & TX | 2019-2023

- Provided guidance on automotive parts and maintenance, enhancing customer decision-making.
- Mentored new employees, fostering a collaborative team environment and improving overall performance.

Henderson State University — Administrative Assistant

Arkadelphia, AR | 2021-2023

- Managed office operations, scheduling, training, and medical documentation, ensuring compliance and efficiency.
- Engaged with patients and staff to streamline administrative processes and enhance service quality.

Floyd's Metal Construction — Laborer

Alpena, AR | 2021

- Assisted in construction projects, executing tasks with precision and adaptability.
- Cooperated with peers to complete projects efficiently within rigid time constraints.

J and B Auto — Mechanic

Harrison, AR | 2018-2019

- Diagnosed and repaired automotive issues, applying analytical and problem-solving skills.
- Communicated repair recommendations to customers, ensuring informed decision-making.

Honors & Achievements

- Completed core graduate courses in Machine Learning, Operating Systems, and Software Engineering
- McNair Scholar (2022–2023)
- NASA Workforce Grant recipient (2021–2023)
- Presenter, National Space Grant Consortium (2022)
- Henderson State University Honor Roll (2018–2022)
- 4th Place, SkillsUSA Automotive Competition (2018)
- President, IGNITE Drug-Free Advocacy Group (2017–2018)
- Public Speaking & Legislative Advocacy Awardee (2016–2018)