



Kenneth Lance Howard

910-818-9816 | klhir1886@gmail.com | <https://linktr.ee/kenhow1> | www.linkedin.com/in/kenhow1 | <https://github.com/KennyH1886>

EDUCATION

North Carolina Agricultural & Technical State University, Expected May 2025 Greensboro, NC
Bachelor of Science in Computer Science **3.74/4.0 GPA**.
Fayetteville Technical Community College, May 2021 Fayetteville, NC
Associates of Science

TECHNICAL SKILLS AND SOFTWARE PROFICIENCIES

Languages/Frameworks: C++, Java, Python, HTML, CSS, JavaScript, React, R, VS Code, NetBeans, Eclipse, Puzzle Script, SQL, AutoCAD, Swift, Node.js, Jenkins, Linux, LLMs, RAG, a diverse array of API's and microservices, Docker

Skills: Machine Learning, Frontend, Data Structures, Algorithms, OS, Services, Networking, Git, Digital Media, SQL, Backend, AI development, Data Science, Scripting, Kubernetes,

WORK EXPERIENCE

Computer Science R&D - Sandia National Laboratories, Albuquerque, New Mexico

May 2024

- Currently working at Sandia National Laboratories focusing on national security initiatives.
- Conducting research and development in computer science to address critical national security challenges.
- Developed and implemented advanced algorithms for data analysis.
- Collaborated with cross-functional teams to design and deploy secure and resilient software systems.
- Worked with LLMs, RAG models, and advanced algorithms.
- Collaborated on full-stack development of applications & AI-driven software systems.

PROJECTS

• **Completed multiple large Java projects** with a team and by myself with documentation incorporating a front and back-end design using Eclipse, incorporating OOP programming, test cases, and Jenkins to manipulate databases of information in various lists.

• **Developed a vector database model** using a Large Language Model (LLM) to enhance AI-driven queries and data retrieval. Integrated the model with Genesys and various microservices and APIs, optimizing the system for scalability and performance while collaborating with cross-functional teams to refine the architecture.

• **Built applications with React and Python libraries**, using APIs and scripting to create efficient, modern services. Ensured real-time updates and a seamless user experience through team collaboration.

• **Created a prototype using Figma**, incorporating a design for an application with a student and staff mobile and web application. Students can rate and see company information about hiring events and prizes. In contrast, the company takes in the feedback data and uses the platform to plan and communicate more efficient company solutions. This would be implemented using technology such as React, Mongo, and Node.js, industry standards Securing 1st place in a hackathon sponsored by Chevron.

EXTRACURRICULARS & AWARDS

Member of Association of Computing Machinery (ACM) at NC A & T Fall 2023-2024

Chancellor's list NC A & T Fall 2023

Deans list NC A & T Spring 2024

Member of the NCSU AI Club Fall 2021-2022

North Carolina A&T Hackathon

- 1st Place Fall 2023 & 1st Place Spring 2023

Computer Science Honors Award NC A & T 2024

Computer Science course TA NC A & T Spring 2024

Member of National Society of Black Engineers (NESBE) Fall 2024