



Kenneth Lance Howard

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EDUCATION

North Carolina Agricultural & Technical State University, Expected May 2025

Greensboro, NC

Bachelor of Science in Computer Science; 3.92/4.0 GPA.

North Carolina State University, December 2022

Raleigh, NC

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

Skills: Machine Learning, Frontend, Data Structures, Algorithms, OS, Services, Networking, Git, Digital Media, SQL, Backend

PROFESSIONAL SUMMARY

I am passionate about software engineering and technology, and I am eager to contribute my skills to a dynamic and innovative team. My goal is to gain valuable experience and actively support the mission of the organization through innovative software solutions and collaborative teamwork.

WORK EXPERIENCE

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

May 2024 - August 2024

- Currently working at Sandia National Laboratories with a focus on national security initiatives.
- Conduct research and development in computer science to address critical national security challenges.
- Develop and implement advanced algorithms for data analysis and threat detection.
- Collaborate with cross-functional teams to design and deploy secure and resilient software systems.
- Analyze complex datasets to uncover patterns and insights that inform security strategies.

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 a variety of lists.

• Created a prototype incorporating AI to better evaluate resumes and store information in a database. This design has the potential to comprehensively track and assess individuals' skills with manual input and AI assistance to enhance the process, securing 1st place in a hackathon sponsored by Chevron.

• Created a website called News Wave which is a modern and intuitive news application built with React. Stay informed with the latest news across various categories and enjoy a seamless reading experience with a team.

• Created another prototype using Figma, incorporating a design for an application that has a student and staff mobile and web application. Students can rate and see company information about hiring events and prizes while 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.

EXTRACURRICULARS & AWARDS

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

Chancellor's list NC A & T Fall 2023

Deans list NC A & T Spring 2024

Member of the NCSU AI Club 2021

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