

Yohannes Hailu

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EDUCATION

University of Nebraska-Lincoln Lincoln, Nebraska
Bachelor of Science in Honors Computer Science May 2028
Bachelor of Science in Honors Math 3.95/4
Bachelor of Science in Honors Data Science

Relevant Coursework: Data Structure and Algorithms, Software Engineering, Data Analysis, Computer Systems

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C#, C++ (In progress)

Applications/Frameworks: React, Next.js, MUI, Microsoft Suite, Agile Methodology, DynamoDB, VSCode

EXPERIENCE

Lockheed Martin Omaha, Nebraska
Incoming Software Engineering Intern Summer or Fall 2026

- Obtaining a TS clearance, working on various projects

Aviture Omaha, Nebraska
Software Engineering Intern May 2025 - August 2025

- Developed a recruitment app for the United States Air Force to source potential Line Officers. Over 1 Million total downloads on Google and Apple app store
- Optimized data retrieval processes by creating new queries in DynamoDB resulting in a 400x faster process
- Developed new website components and resolved various bugs, using ReactJS, JavaScript/Typescript and AWS Lambda

University of Nebraska - Lincoln Lincoln, Nebraska
Technology Support Intern April 2025 - Present

- Performed maintenance on IT systems and troubleshoot software, operating systems, computer hardware, and network connections
- Migrated school email domains and resolved software access issues for 3 different business departments

Headstarter AI Virtual
Software Engineering Fellow July 2024 - September 2024

- Developed three web-based applications, enhancing both front-end and back-end skills using NextJS, Firebase, and MUI solving different complex problems.
- Integrated LLM APIs to allow the webapps to parse data from the website returning responses from the LLM'S, overcoming challenges in functionality and troubleshooting

TECHNICAL PROJECTS

Vex U Robotics Lincoln, Nebraska
Programmer August 2024 - May 2025

- Improved latency and synchronization by 15% using C++ algorithms and using the VEX V5 API, optimizing RC movements.
- Created comprehensive daily reports to document technical processes, ensuring smooth knowledge transfer and effective troubleshooting throughout the project lifecycle

NASA Suits Lincoln, Nebraska
Programmer August 2024 - May 2025

- Developed augmented reality interfaces to present telemetry data in simulated space environments, directly enhancing user comprehension and decision-making during critical mission scenarios
- Iterated on interface designs multiple times through user testing and feedback to ensure optimal performance in extreme, high-stakes environments like space missions

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

National Society of Black Engineers Lincoln, Nebraska
Senator August 2025 - Present

- Represented 50+ member interests in NSBE chapter meetings and contributed to decisions on chapter initiatives, events, and policies.

Management Leadership for Tomorrow Virtual
Career Preparation Fellow January 2025 - Present

- Accepted into a selective 18-month professional development program that accelerates the career growth of emerging leaders through structured coaching, mentorship, and targeted skill-building.

Other Involvements: Honors Program, NACME, Color Stack, Afrikan Peoples Union, African Student Association