

Jack T. Norris

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EDUCATION

College of Engineering, University of Arkansas

Cumulative GPA: 3.97/4.00

Major: Honors Computer Science

Graduation: May 2024

Minors: Mathematics & Finance

Awards & Accomplishments

- *2023 NSF REU Recipient*
 - Received undergraduate research grant to perform research under Dr. Jin over Summer 2023
- *2022 SURF Grant Recipient*
 - Awarded a highly competitive grant for my undergraduate research under Dr. Jin
- *2023 RazorHacks CTF Winner*
 - Won a university-sponsored state-wide "capture the flag" cybersecurity competition against a field of other students and cybersecurity professionals
- *2023 Governor's Cup Winner*
 - Co-developed an award-winning business plan and working prototype of a novel advertising platform that utilizes e-paper for ubiquitous company promotion. Won \$20k against college teams all across AR
- *2022 McMillon Innovation Studios Demo Day Winner*
 - Led a team to develop a rough prototype for a system to help the NWA Food Bank estimate food supply needs across multiple locations. Idea + implementation won in a field of ~20 teams
- *Honors College Fellow & Governor's Distinguished Scholar*
 - Selected as one of 90 incoming freshmen in the UARK class of 2024 for a full ride scholarship
- *Walmart & J.B Hunt Hackathon | 1st Place*
 - Developed a location-based chat app over the course of 24 hours to stimulate connections during COVID
- *U.S Presidential Scholar*
 - Selected as 1 of 150 students nationwide in the high school class of 2020 for academic excellence

PROFESSIONAL EXPERIENCE

Compound Foundry

Fayetteville, AR

Junior Software Engineer

August 2023 - Present

- Utilize NextJS, React, and GraphQL to rapidly prototype business ideas at local startup studio
- Help train Stable Diffusion and Dall-E models for various projects

Amazon

Seattle, WA & Los Angeles, CA

Software Development Engineer Intern

Summer 2021 & 2022

- Utilized React, Scala, and Swift to build enterprise applications for Amazon
- Developed SharePlay functionality for Amazon Music
- Received return offer for Summer 2023

J.B Hunt Transport Services

Fayetteville, AR

Application Development Intern

Intermittently October 2019 – May 2022

- Utilized Angular, Springboot, and SQL to build and test enterprise applications for J.B Hunt
- Worked on carrier management site, interview feedback app, and the driver mobile app

PROFESSIONAL DEVELOPMENT & LEADERSHIP

CSCE Computer Networks Lab

Undergraduate Researcher

Fayetteville, AR

May 2022 – Present

- Work in Dr. Kevin Jin's lab on programmable networks
- Investigate the application of programmable networks for power grid security using P4

UARK Computer Science Club (ACM)

President, former Vice President

Fayetteville, AR

May 2022 – Present

- Organize campus networking opportunities, hackathons, internship searches, and computer science outreach
- Help faculty organize HS programming competitions and "Hour of Code" for local elementary schools

McMillon Innovation Studios

Technical Consultant, Senior Project Lead

Fayetteville, AR

August 2020 – Present

- Build technical prototypes for vetted business ideas generated at UARK's innovation lab
- Previously led teams to ideate solutions to local businesses' problems using "human-centered design"
- Led projects for Walmart, UARK, Phigenics, Ox, and the NWA Food Bank

Tian Nanotechnology Lab

Undergraduate Technical Consultant

Fayetteville, AR

June 2023 – Present

- Work with nanotechnology lab on campus to help fill technical needs in lab
- Built a Kotlin Android app to interface via Bluetooth with a vector network analyzer

First-Year Engineering Program

Peer Mentor

Fayetteville, AR

August 2021 – Present

- Meet weekly with 10+ freshman engineers to offer guidance, advice, and connections as they navigate their freshman year

SERVICE & VOLUNTEER WORK

NWA Children's Hospital

Volunteer

Springdale, AR

March 2022 – August 2023

- Dedicated time weekly to volunteer in the playroom of the hospital
- Helped escort patients & families to waiting room and pre-op rooms
- Previously volunteered in gift shop

UARK Volunteer Action Center

Be BOLD Chair, GivePulse Intern

Fayetteville, AR

May 2022 – Present

- Lead UARK sponsored middle-school mentorship program
- Previously managed and developed trainings for UARK's volunteer organization system

Mission: Mentor

Senior Volunteer Developer

Boston, MA (remote)

August 2021 – January 2021

- Non-profit EdTech startup incubating at the Harvard Innovation Lab; 2.5k users in a week
- Co-led a team of 4 to build out and maintain the service with React, Spring, and SQL

CONFERENCE PUBLICATIONS

- Jack Norris, Zhiyao He, Yanfeng Qu, Gong Chen, Christine Hertzog, Dong Jin. "An In-Network Approach for PMU Missing Data Recovery with Data Plane Programmability," 2024 Smart Grid Synchronized Measurements and Analytics Conference (SGSMA)