

Tate Wieber

Cookeville, TN 38501

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EDUCATION:

Tennessee Technological University
Bachelor of Science / Computer Science
Minor of Electrical and Computer Engineering

Cookeville, TN
May 2025

EXPERIENCE:

TNTech Computer Science Department – NIH Research

Cookeville, TN

Undergraduate Research Assistant

September 2024-Present

- Contribute to a research project funded by an NIH grant with a focus on ethical AI applications in healthcare
- Assist in developing and evaluating AI models for EMS support in trauma triage scenarios
- Perform data manipulation and visualization to extract key project insights
- Research and integrate modern solution for data preprocessing in Python

Ford Motor Company

Cookeville, TN(Remote)

Embedded Systems Intern - Ford EV Infotainment

Summer 2023

- Wrote and maintained unit tests to ensure program functionality and line coverage of at least 80%
- Utilized hardware as testbench environments for unit tests, bash scripts, and display testing
- Manipulate, resize, and ensure proper collection from log files, including scrubbing of PII
- Edited and added new events and event flags to Ford EV infotainment codebase

TNTech ITS

Cookeville, TN

Student Technology Assistant - Supervisor

August 2021-May 2022, June 2024-February 2025

- Provide technical support for campus staff, faculty, students, and alumni
- Provide preventative maintenance on equipment available for checkout such as laptops, DSLRs, and other devices
- Assisted students, faculty, and staff with software related issues on university and personal property
- Delegate to and manage subordinate student workers

PROJECTS:

Home lab Self-hosted Server – tate-w.xyz

- Created and currently host an at home media and file storage system
- Opened server to public access with CloudFlare DNS and subdomains on a custom URL
- Utilizing services such as:
 - Jellyfin for media hosting
 - Samba as a networked file system
 - WireGuard for personal VPN

ACHIEVEMENTS:

- Eagle Scout - July 2019
- TNTech Career Readiness Program - Fall 2023

SKILLS:

- Proficient in MS Office (Word, Excel, Powerpoint), MatLab, LTSpice, Jira, Atlassian, Linux, Git, GTest, Agile
- Programming Languages: C++, C, Bash, Python, Ruby, C#, Jupyter Notebooks, HTML