

# TYLER SANFORD

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## AWARDS

Honor Roll Fall 2023 - Spring 2024  
Football All Academic 2024  
Spring 2024 Dean's List

## SKILLS

- Linux Applications/ Containers
- Object Oriented Programming
- Firebase Interface Design and implementation
- Virtual Machine, Debian, Fedora
- Assembly/ C for microcontrollers
- Web security, Intro Cybersecurity Management
- Python, C++, Windows 11
- Sponsorship organization
- Git accessories/ Windows WSL
- Full Stack Website Development

## PROFESSIONAL SUMMARY

Motivated Computer Science major with a focus on data science and computer networking, seeking to deepen my knowledge in machine learning. Equipped with a strong foundation in programming, data analysis, and network management, I am eager to apply my skills to innovative projects while expanding my expertise in cutting-edge technologies.

GitHub link: <https://github.com/TSanf0rd>

## EDUCATION

**Bachelor's Degree:** Computer Science

Missouri University of Science & Technology, Missouri, MO, May 2026

- Relevant Coursework: Algorithms, Data Structures, Microcontrollers, Operating Systems, Intro to C++, Intro to Python, Theory of Computation, Computational Networking, Intro to Programming & translators, Linear Algebra
- GPA: 3.6 (Junior)
- MS&T Football team 2022 - Current
- National Society of Black Engineers (NSBE) 2022- Current

## EXPERIENCE

**Facility Operations Team Member, Jun 2024 - Current**

St. Charles Convention Center, St. Charles, MO

- General IT operations: management over networking system, company email system, and IT wiring for various events
- Participated in after-hours on-call rotations to address urgent technical issues outside of normal business hours.
- Troubleshoot and resolved network connectivity issues for individual users and departments.

**Software Developer, Finance Team Member, Jan 2024 - Current**

PickHacks MST, Rolla

- Streamlined financial processes for improved efficiency and accuracy in budgeting and forecasting
- Negotiated and managed financial contracts with vendors and suppliers.
- Created customized financial plans for clients based on their goals, risk tolerance, and time horizon.

**Software Development, Jan 2024 - Current**

Google Development Club MST, Rolla

- Exercised leadership capabilities by successfully motivating and inspiring others to use Google technologies
- Resolved problems created by Google, improved operations and provided exceptional service to other students
- Enhanced student understanding by incorporating real-world examples and hands-on activities in coding lessons.
- Back-end programming for the current web-site

## PROJECTS

- Programming an ATMEGA 32 microcontroller/ Arduino to play a music, and create a mini keyboard using assembly language along with some C
- Writing a report on how Microsoft Azure, cloud computing, can be used in the construction industry for ARCO Construction Company
- Creating a simple web server/ host- client container that picks up IP addresses using a hyper link using WSL & VS code
- Creating a small company networking system as a Virtual machine in Fedora using WSL and VS Code (Git hub)
- Back-end programming using Angular to make the social media page for GDSC-MST using VS Code
- Using Notion to organize negotiating sponsors, and running the Finance Team for the Missouri S&T Hackathon organization put on every year
- Testing Algorithms in Python: Karatsuba, Binary Search, Insertion Sort, Merge Sort, quicksort, Heap sort, BFS, DFS, Greedy Algo, Dijkstra's, Prim's, Dynamic Programming(Git hub)

## CERTIFICATIONS

- NVIDIA DLI Certificate - Fundamentals of Deep Learning, NVIDIA DLI, Oct, 2023
- MST Google Technologies Firebase Workshop
- MST Angular CLI Workshop