

TAYLOR WISE

Norman, OK 73071 • 918-605-0282 • taylorjwise1@gmail.com • taylor.j.wise-1@ou.edu • GitHub: [@TayJWise](https://github.com/TayJWise)

EDUCATION

University of Oklahoma, Norman, OK | Graduation BS May 2026 / MS May 2027

Major: Computer Science BS/MS | Minor: Mathematics | GPA: 3.84

EXPERIENCE

ConocoPhillips / *Data Engineering Intern* May 2025 – Present

- Accelerating data integration for 100+ Gas Lift wells on Gas Lift Surveillance & Optimization team
- Providing enhancements to data loader based on tubing string installation date, mandrels, and lift type
- Creating common source data in Wellview with Informatica and Bash based on prior Oracle databases

ConocoPhillips / *Data Engineering Intern* May 2024 – July 2024

- Extracted 500+ Python imports from repositories by traversing an Abstract Syntax Tree
- Automated weekly run of repo scanner with Git Action, PowerShell, and Git App
- Built CI/CD Pipeline of import datasets to Azure to minimize user interaction
- Developed Streamlit App to visualize data for security localization and highly dependent imports

PROJECTS

Hand Detection December 2024 - Present

- Built real-time hand gesture recognition system with MediaPipe and OpenCV for Rock-Paper-Scissors
- Modified real-time web camera motions to control live Volume, Video Playback, and Active Windows

OU Class Scheduler / *Backend Group Member* January 2025 – May 2025

- Incorporated PDF Flowchart Upload for user ease-of-convenience and extracted highlighted courses
- Filtered all 1000+ extracted courses at OU and PDF upload courses to input into Gemini API request

RESEARCH

Maiti SecretLab OU | *Undergraduate Researcher*

January 2025 - Present

- Automated deployment of 200k+ AI requests in Python to analyze bias in pre-existing models
- Built retry logic for invalid outputs and exponential retries from internet issues to improve reliability
- Analyzing model bias against specific companies based on temperature, role, and prompt variation

August 2024 - December 2024

- Developed Bash scripts to automate deployment of over 20 AI workloads
- Created self-cleaning script to install and later wipe Conda environment between loads to save storage

McCall Lab OU | *FYRE Undergraduate Researcher* January 2023 - May 2023

- Developed categorized separation of large datasets for QIIME2 on Jupyter Notebook
- Incorporated Bash so datasets are inserted into QIIME2 to prevent retyping 25+ file names each time
- Utilized Agile methodology in weekly meetings and presented updates for reliability

LEADERSHIP

Cybersecurity Club | *President + Founder, Member* May 2024 - Present

- Spearheaded cybersecurity club at OU and gained over 40 members within Fall 2024 – Spring 2025
- Led undergraduate student involvement in OU's first CANSec Capture-The-Flag competition

Society of Women Engineers | *Vice President, Member* May 2025 - Present

- Organizing club events to inspire 100+ members within College of Engineering
- Supporting officers' roles based on past presidential, financial, and operational leadership positions

Alpha Sigma Kappa | *Vice President of Operations* January 2024 - December 2024

- Operated the Chapter's Judiciary Board to ensure organization's integrity
- Managed and updates over 50 Chapter documents to maintain consistency

TECHNICAL SKILLS

- Languages: Java, Python, C++, R, Bash, PowerShell
- Tools: Git Actions, Git App, CI/CD, Azure, Streamlit, Conda, Gemini API, MediaPipe, OpenCV, Wellview

CERTIFICATIONS & HONORS

Diversity & Inclusion Scholar 2022-2024 | Dorothy Grace Barkow Scholar 2022-2024 | OU Honors College