Chancellor Woolsey

chancellorwoolsey@gmail.com   417-763-4986

Education

Ph.D. Management Information Systems: University of Arizona   (Fall 2023-Present)

M.S.I.T Accelerated Master's Program   (Fall 2021 – Spring 2023)
- Master of Science in Information Technology, GPA: 4.00/4.00

Graduate Certificate: Missouri State University   (Fall 2022)
- Data Analytics, GPA – 4.00/4.00

B.S: Missouri State University: (Fall 2019 – Spring 2022)
- Bachelor of Science in Information Technology: Application Development, Magna Cum Laude, GPA – 3.91/4.00

Research Interests
- Machine Learning, Large Language Models, Natural Language Processing, Data Augmentation for Low Resource Environments, Fine-tuning Neural Networks

Journal Publications
- Nanni L, Trambaiollo L, Brahnam S, Guo X, **Woolsey C.** Ensemble of Networks for Multilabel Classification. Signals. 2022; 3(4):911-931. https://doi.org/10.3390/signals3040054

Conference Proceedings
- **Woolsey, C**. & Colter, C. (2022, April 22-23). *Utilizing Ensembles to Overcome Small Datasets*. Missouri Space Grant Consortium. Rolla, MO, United States.

Other (non peer-reviewed)
- **Woolsey, C**. & Tsahiridis, P. K., 2020. *Surviving First Year College*

Work in Progress
- **Woolsey, C**. Bisht, P., Rothman, J., Leroy, G. (2023, September 14). Utilizing Large Language Models to Increase the Performance of Classification Neural Networks. Association of Medical Informatics Summit. Status [Submitted]

Awards/Honors
- Missouri State Top Master's of Science in Information Technology Award (Spring 2023)
- Missouri State Dean's List (Fall 2019 – Spring 2022)
- Honorable Mention – USITCC Regional Conference (2021, Security Category)
- OTC Provost's List (Fall 2020)
- Phi Theta Kappa Inductee (Spring 2019)
- OTC Chancellor's List (Fall 2018)

Service
LOGOS: A Journal of Undergraduate Research - Peer Reviewer   (Spring 2021 – Spring 2022)
- Reviewed submissions to determine if acceptable for journal publication

Work Experience
Computer Cluster Development under Professor Jason Speer   (Fall 2021)
- Created Docker Swarm Cluster via the combination of Raspberry Pis and a network switch
  - Documentation Available Upon Request

NASA Internship   (October 11, 2021 - May 20, 2022)
- Data Scientist: Applied Data-level ensemble to increase accuracy of microstructure image detector
  - Increased accuracy from 78.48% (Base Model) to 97.03% (Woolsey&Colter Final Model)
- Windows Server 2019 Administrator
  - Performed maintenance and resolved technical issues within Windows 2019 System Server

Graduate Assistant - Missouri State Department of Criminology   (January 10, 2022 – May 20, 2022)
- Organized and cataloged data regarding Police Officers, Sheriffs, and Public Information Officers for the creation of Criminology marketing campaigns

Skills
- **Machine Learning**: Python, PyTorch, TensorFlow, Computer Vision, SQL, MATLAB
- **Data Analytics**: Excel (Including What-If Tables and Solver), RStudio, Tableau
- **Object Oriented Programming**: C# Programming, Java, SOLID Principles,
- **Web Application Development**: HTML, PHP, JavaScript, CSS

Volunteer Work
Hosanna Church – Worship Leader   (August 2021 – August 2022)
- Coordinated worship team each Sunday through the review and practice of selected material

Assistant to Dr. Ajuwon   (Fall 2020)
- Professor Assistant: reviewed documents, research, general office administration

Other Work
Guitar and Ukulele Instructor/ Professional Musician   (August 2016 – December 2021)
- Developed personalized curriculum to students of ages 3-39
- Facilitated instruction of students on a weekly basis through curated literature
- Songwriter and Guitarist
  - Collaborated with peers to develop music for the purpose of regular performances.
  - Average Audience: 300 each night
- Head songwriter and composer: House Of Rejects. *House of Rejects,* 2019
- Songwriter and Studio Musician: Crossing Fire. *Coals and Embers,* 2017
- Billboard Charts:
  - Billboard Christian Rock Most Added "Fiction" (2018) #2
  - Billboard Christian Rock Worldwide Radio Airplay "Lay it Down" (2017) #23
  - Billboard Christian Rock Worldwide Radio Airplay "Crash" (2017) #13