

# TEXAS TECH

### DEPARTMENT OF COMPUTER SCIENCE www.cs.ttu.edu



### **Recent Faculty Hire**



**Dr. Song Liao** Assistant Professor Ph.D., Computer Science Clemson University (2024) IoT Security/Privacy, Data Science



**Dr. Zihao Zhan** Assistant Professor



Ph.D., Electrical Engineering Vanderbilt University (2021) System Security, Hardware Security

Dr. Maaz Amjad Assistant Professor of Practice Ph.D., Computer Science Instituto Politecnico Nacional (2022) Artificial Intelligence & Natural Language Processing

Ph.D., Electrical & Computer Engineering

### Department Highlights

The Computer Science Department at Texas Tech University has 1,042 undergraduate students, including 451 major and 591 foundational students, and 564 graduate students, including 481 Master and 83 Ph.D. students, in Fall 2024. The department has 27 faculty members, including 20 tenured/tenure-track faculty, 3 full-time teaching faculty, and 4 part-time instructors. The Department offers an ABET-accredited Bachelor of Science degree in Computer Science, two Master of Science and one Doctor of Philosophy (PhD) degrees. The department received around \$8 million-dollar external funding in FY 2024, mostly from National Science Foundation (NSF).

### Research Highlights



Dr. Yuanlin Zhang and Dr. Victor Sheng received \$1M Department of Education grant for their research on AI across the curriculum for virtual schools. The project aims to increase the number of high-need students having access to and using AI in math program and increase high-need students' AI literacy and AI self-efficacy.

Dr. Ziwen Pan

Assistant Professor

**Quantum Information** 

University of Arizona (2022)







Dr. Yong Chen, Dr. Tommy Dang, Dr. Yu Zhuang, and Dr. Susan Mengel received a National Science Foundation (NSF) grant to carry out a project titled "REPACSS: Empowering Scientific Discovery through Renewable Energy Powered Advanced Computing Systems and Services" with on-campus collaborators from High Performance Computing Center and GLEAMM. They will build a renewable energy powered cluster and investigate weather- and carbon-aware workload scheduling, migration, and checkpoint/restore methods.

## **Other Highlights**

Accelerating Impact through Partnerships



National Science Foundation Phase-II Industry-University Cooperative Research Center (IUCRC) on Cloud and Autonomic Computing conducts fundamental research and development in collaboration with University of Arizona and industry and government members, including the National Security Agency, Los Alamos National Laboratory, Dell EMC, Lubbock County, Naval Information Warfare Center, Department of Homeland Security, Blackfur, Legendary, and Defense Information Systems Agency.



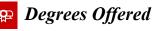
**Dr. Stas Tiomkin** Assistant Professor

Ph.D., Computer Science & Engineering Hebrew University (2019) Artificial Intelligence and R3 Learning (Reinforcement, Representation, Robot)



#### Dr. Scott Franklin

Associate Professor of Practice Ph.D., Mathematics Texas Tech University (2005) Physics Informed Neural Nets, Computer Vision, Computer Science Education



#### Bachelor of Science in CS

- Master of Science in CS
- Master of Science in Software & Security Engineering
- Doctor of Philosophy (PhD) in CS
- Certificate in Software Engineering
- Certificate in Security

# Tier One Research University

#### Carnegie Classification of Very High Research Activity (R1) University

Texas Tech secured more than \$83 million in federal awards and more than \$122 million in total research awards in FY 2024. The University's federal research expenditures total more than \$63 million and total research expenditures reached more than \$255 million.



Texas Tech University offers a comprehensive series of programs, services, initiatives, and organizations to underrepresented students, students of color, and first-generation students.



We have faculty openings! We hire at all ranks. Visit us at: www.cs.ttu.edu

