
**PhD Openings in Data Mining & Machine Learning for Computational Neuroscience
and Bioinformatics, Fall 2019**

Position Information: immediate fill of two Ph.D. positions for Fall 2019 at the Center on Stochastic Modeling, Optimization, & Statistics (COSMOS) at University of Texas at Arlington. Graduate students with **strong quantitative background and programming skills** are encouraged to apply. The research directions include **Data Science, Machine Learning, Artificial Intelligence & Deep Learning** with applications to Neuroscience, Brain Informatics, Medical Informatics, as well as Intelligent Robotics/Human Machine Systems. If you are interested, please send your CV to **Dr. Shouyi Wang** at shouyiw@uta.edu. We will evaluate your CV and give feedback quickly. **Accepted Ph.D. students will work with Dr. Wang and will be provided with full financial support for the entire PhD study (3.5 - 4 years).** **GRE Waiver:** candidates with 2 years of working experience can apply to waive GRE for our program.

Visiting Students/Scholars Positions are also available in Data Science/Machine Learning/AI.

Lab Information: The COSMOS Center is conducting world-leading research in Advanced Data Analytics, Machine Learning Research, Complex System Optimization & Modeling, Healthcare and Biomedical Informatics, and AI-driven Technologies. The lab has very strong connections to AI industry. The renowned research collaborators include [Apple](#), [Foxconn International](#), [IBM](#), [Facebook/Oculus](#), [Samsung/Harman AI Group](#), and [NVIDIA](#).

The COSMOS Center PhD graduates are highly popular and highly paid in the US and World job market. Recent Ph.D. graduates of COSMOS Center obtained jobs at [American Airlines](#), [United Airlines](#), [Google](#), [UPS](#), [CSX](#), [AT&T](#), [Alibaba/Seattle](#), [Bank of America](#), [BNSF](#), [General Motors](#), etc. *Our Ph.D. graduates also have immense opportunities to pursue academic careers.* Some recent Ph.D. students obtained faculty/teaching or postdoc positions at top schools, including [Washington University in St. Louis \(Business School\)](#), [Washington University \(Seattle\)](#), [University of Southern California](#), and [Harvard University \(School of Medicine\)](#).

The Current Research Projects & Topics include:

- * Machine Learning Research for Large Scale Big Data Analytics
- * Interpretable Machine Learning Models for Biomedical Data Mining & Knowledge Discovery
- * Brain Informatics and Computational Neuroscience Research
- * Brain Computer Interfaces and Brain-Inspired AI Technologies
- * Deep Learning Techniques and Applications in Healthcare and Brain Big Data
- * Deep Reinforcement Learning and Interactive Intelligent Robotics Systems
- * Precision Medicine and Personalized Healthcare Systems

School Information: With more than **50,000** enrolled students, UTA is one of the largest public universities in the nation. According to 2018 U.S. News and World Report, [UTA Engineering School is ranked #73 among 200 national universities](#). The Industrial, Manufacturing, & Systems Engineering (IMSE) Department is ranked [#44 for Graduate Programs](#). With great resources and Texas State support, the IMSE department is one of the fastest growing programs in the US. Currently, *the IMSE Department at UTA has more than 50 PhD students and more than 400 MS students.*

DFW/Arlington Area: Located at the US 4th largest metropolitan areas (Dallas/ Fort Worth Area), the COSMOS Center at UT Arlington is very strong in both world-leading research activities and strong industry support and collaborations. The Chronicle of Higher Education ranked The University of Texas at Arlington **7th** fastest-growing public research universities. The DFW Airport is a world hub in the US and has direct flights to Beijing, Shanghai, Hong Kong, and most major cities worldwide.