IDENTIFYING INFORMATION:

NAME: Xu, Jun

ORCID iD: https://orcid.org/0000-0002-0046-8119

POSITION TITLE: Professor

PRIMARY ORGANIZATION AND LOCATION: Georgia Institute of Technology, Atlanta, GA, USA

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
The Ohio State University, Columbus, Ohio, USA	PHD	08/2000	Computer and Information Science
The Ohio State University, Columbus, Ohio, USA	MS	08/1997	Computer and Information Science
Illinois Institute of Technology , Chicago, Illinois, USA	BS	05/1995	Computer Science

Appointments and Positions

2012 - present Professor, Georgia Institute of Technology, Atlanta, GA, USA
2006 - 2012 Associate Professor, Georgia Institute of Technology, Atlanta, GA, USA
2000 - 2006 Assistant Professor, Georgia Institute of Technology, Atlanta, GA, USA

Products

Products Most Closely Related to the Proposed Project

1. Song D, Meng J, Yu Q, Xu J. QPS- Fit: An Efficient and Performant Parallel Algorithm for Hybrid Optical and Packet Switching. IEEE INTERATIONAL CONFERENCE ON CLOUD COMPUTING; 2025 July 11; Helsinki, Finland. Available from: https://services.conferences.computer.org/2025/cloud-program/ DOI: 10.1109/CLOUD67622.2025.00047
2. Yu Q, Meng J, Xu J. SW-EDF: A Single-Iteration Algorithm for Combined Input- and Output-Queued Switching. 2025 IEEE International Conference on High Performance Switching and Routing (HPSR); 2025 May 20; Osaka, Japan. Available from: https://hpsr2025.ieee-hpsr.org DOI: 10.1109/HPSR64165.2025.11038878
3. George Varghese, Jun Xu. Network Algorithmics: an interdisciplinary approach to designing fast networked devices. Second ed. Morgan Kaufmann; 2023. DOI: https://doi.org/10.1016/C2015-0-06810-1
4. Long Gong, Jun Xu, Liang Liu, Siva Theja Maguluri. QPS-r: A cost-effective iterative switching algorithm for input-queued switches. Performance Evaluation. 2021; 147:102197. Available from: https://www.sciencedirect.com/science/article/pii/S0166531621000146 DOI: https://doi.org/10.1016/j.peva.2021.102197

5. Jingfan Meng, Long Gong, Jun Xu. Sliding-Window QPS (SW-QPS): A Perfect Parallel Iterative Switching Algorithm for Input-Queued Switches. IFIP Performance 2020; 2020; Politecnico di Milano, Italy; c2020.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Meng J, Yang T, Xu J. CommonSense: Efficient Set Intersection (SetX) Protocol Based on Compressed Sensing. IFIP WG 7.3 PERFORMANCE; 2025 November 11; Amsterdam, The Netherlands. Available from: https://performance2025.sciencesconf.org
2. Wang H, Meng J, Xu J. OddEEC: A New Sketch Technique for Error Estimating Coding. The 33rd IEEE International Conference on Network Protocols; 2025 September 22; Seoul, South Korea. Available from: https://ieeeicnp2025.pages.dev/acceptedpapers
3. Meng J, Wang H, Xu J. Efficient Point-to-Subspace ANNS in Manhattan and Lp Space by LSH Pruning. 2024 IEEE International Conference on Big Data (BigData); 2024 December 11; Washington, DC, USA. Available from: https://www3.cs.stonybrook.edu/~ieeebigdata2024/ DOI: 10.1109/BigData62323.2024.10825151
4. Meng J, Wang H, Rong K, Xu J. CanDE: A Lightweight Locality-Sensitive Hashing Add-on for Candidate-Based Distribution Estimation. 2024 IEEE International Conference on Big Data (BigData); 2024 December 11; Washington, DC, USA. Available from: https://www3.cs.stonybrook.edu/~ieeebigdata2024/ DOI: 10.1109/BigData62323.2024.10826065
5. Jingfan Meng, Huayi Wang, Jun Xu, Mitsunori Ogihara. ONe Index for All Kernels (ONIAK): A Zero Re-Indexing LSH Solution to ANNS-ALT (After Linear Transformation). Proceedings of the VLDB Endowment. 2022; 15(13).

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to information related to domestic and foreign appointments and positions.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Xu, Jun in SciENcv on 2025-09-01 16:24:45