



Xiao Han

 [linkedin.com/in/xiao-han/](https://www.linkedin.com/in/xiao-han/)
 github.com/hanxiao0607
 hanxiao2099@gmail.com
 +1 (541) 908-8790

EDUCATION

Utah State University <i>Ph.D., Computer Science</i> Advisor: Dr. Shuhan Yuan	Logan, UT GPA:3.91, 2020 - Expected May 2024
The George Washington University <i>Master of Science, Data Analytics</i>	Washington, DC GPA:3.76, 2018 – 2020
Oregon State University <i>Master of Engineering, Computer Science</i>	Corvallis, OR GPA:3.63, 2014 - 2017
Shandong University <i>Bachelor of Engineering, Computer Science and Technology</i> <i>Bachelor of Economics, Finance</i>	Jinan, Shandong, China 2008 - 2012

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Haskell, Idris, Python
- Software: Minitab, Tableau, Microsoft Excel
- Database Systems: MySQL, SQLite, MongoDB, ArangoDB
- Certification: Certified Information Systems Auditor (CISA)

WORKING EXPERIENCE

Great Wall Securities, Shandong Branch <i>Quant Researcher in Financial Research Department</i>	Jinan, Shandong, China Jan 2018 – Aug 2018
<ul style="list-style-type: none">• Data preprocessing - Collected and pre-processed financial data from Wind.• Feature selection - Tested the validity of each factor, choosing effective factors according to certain indexes.	
Pan-China Certified Public Accountants <i>Risk Assurance</i>	Jinan, Shandong, China Aug 2013 – Sep 2014
<ul style="list-style-type: none">• IT auditing - IT auditing for the annual audit report.	
China CITIC Bank <i>Information Technology Assistant</i>	Jinan, Shandong, China Mar 2012 – Aug 2013
<ul style="list-style-type: none">• Develop and maintain the core business system of bank. Update POS and ATM system.	

RESEARCH EXPERIENCE

Research Assistant <i>Utah State University, Department of Computer Science</i>	Logan, UT Summer 2022 – Ongoing
<ul style="list-style-type: none">• Designed a novel reinforcement learning-based few-shot log anomaly detection framework that can detect and classify anomalous.• Proposed an interpretable anomaly detection framework by using algorithmic recourse.	

Teaching Assistant

Utah State University, Department of Computer Science

Logan, UT
Fall 2021 – Spring 2022

- CS 5665 Introduction to Data Science
- CS 6665 Data Mining

Research Assistant

Utah State University, Department of Computer Science

Logan, UT
Fall 2020 – Summer 2021

- Designed a novel interpretable log anomaly detection framework that can detect abnormal log sequences and give attributions to the anomalous.
- Developed cross-system log anomaly detection for supercomputers with transfer learning.

PUBLICATIONS

- [1] Han, Xiao, et al. "Achieving Counterfactual Fairness for Anomaly Detection." The 27th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD). Springer, 2023.
- [2] Han, Xiao, et al. "Few-shot Anomaly Detection and Classification Through Reinforced Data Selection." 2022 IEEE International Conference on Data Mining (ICDM). IEEE, 2022.
- [3] Han, Xiao, and Shuhan Yuan. "Unsupervised Cross-system Log Anomaly Detection via Domain Adaptation." Proceedings of the 30th ACM International Conference on Information & Knowledge Management (CIKM). ACM, 2021.
- [4] Han, Xiao, et al. "InterpretableSAD: Interpretable Anomaly Detection in Sequential Log Data." 2021 IEEE International Conference on Big Data (Big Data). IEEE, 2021.

SERVICE

- IEEE International Joint Conference on Neural Networks Reviewer - 2023
- ACM Transactions on Modeling and Performance Evaluation of Computing Systems Reviewer - 2022
- Frontiers in Big Data Reviewer - 2022
- Elsevier Computers & Security Reviewer - 2022
- IEEE Transactions on Information Forensics and Security Reviewer - 2022
- IEEE Transactions on Computational Social Systems Reviewer - 2022
- IEEE/CAA Journal of Automatica Sinica Reviewer - 2022
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (External Reviewer) - 2022
- International Journal of Data Science and Analytics Reviewer – 2022
- IEEE International Conference on Big Data Session Chair / Student Volunteer - 2021

AWARDS

- IEEE International Conference on Big Data 2021 Student Travel Award
- SIGIR Student Travel Award for CIKM 2021
- Utah State University Presidential Doctoral Research Fellowship 2020 - 2024
- Oregon State University Continued Success Scholarship 2015