
Education

Ph.D. Candidate in Data Science , University of Virginia <i>Advisors: Thomas Hartvigsen, Teague Henry, Alexander Gates</i>	2023/09 – Present
M.S. in Data Science , University of Virginia	2019/07 – 2020/12
B.S. in Information and Computing Science , Soochow University	2015/09 – 2019/05

Work Experience

Data Scientist , Center for Advanced Medical Analytics, UVA School of Medicine	2021/02 – Present
Graduate Research Assistant , Department of Computer Science, UVA	2020/10 – 2020/12

Honors & Awards

Gold Reviewer Award , ICML	2026
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Grants

Co-Investigator , NIH/NHLBI R01 (R01HL186511), <i>I-HELP Sleep</i>	2026 – 2030
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Publications (first-author)

1. *ReasonEdit: Editing Vision–Language Models Using Human Reasoning.*
Jiaxing Qiu, Kaihua Hou, Roxana Daneshjou, Ahmed Alaa, Thomas Hartvigsen.
ICML – International Conference on Machine Learning, 2026.
2. *Instruction-Based Time Series Editing.*
Jiaxing Qiu, Dongliang Guo, Brynne Sullivan, Teague R. Henry, Thomas Hartvigsen.
KDD – ACM SIGKDD Conference on Knowledge Discovery and Data Mining, 2026.
3. *The Extended Community of Diet Culture Around Eating Disorders: A Network Analysis of Reddit Forums.*
Jiaxing Qiu, Cheri A. Levinson, Jonathan Michael Kropko, Teague R. Henry, Alexander J. Gates.
Applied Network Science, 2026.
4. *Fast Leave-One-Cluster-Out Cross-Validation Using Clustered Network Information Criterion.*
Jiaxing Qiu, Douglas E. Lake, Pavel Chernyavskiy, Teague R. Henry.
Statistical Methods in Medical Research, 2025.
5. *Highly Comparative Time Series Analysis of Oxygen Saturation and Heart Rate to Predict Respiratory Outcomes in Extremely Preterm Infants.*
Jiaxing Qiu, Juliann M. Di Fiore, ..., Douglas E. Lake.
Physiological Measurement, 2024.
6. *Pathophysiological Responses to Bloodstream Infection in Critically Ill Transplant Recipients Compared with Non-transplant Recipients.*
Jiaxing Qiu, Alex N. Zimmet, ..., Christopher C. Moore.
Clinical Infectious Diseases, 2024.

Co-authored Publications (selected)

1. *BEDTime: A Unified Benchmark for Automatically Describing Time Series*.
ICML – International Conference on Machine Learning, 2026.
2. *Development and Evaluation of a Prediction Model for Adult ICU Hemorrhage Using Only Continuous Cardiorespiratory Data*.
Physiological Measurement, 2026.
3. *Comparing Machine Learning Techniques for Neonatal Mortality Prediction: Insights from a Modeling Competition*.
Pediatric Research, 2025.
4. *Heart Rate Patterns Predicting Cerebral Palsy in Preterm Infants*.
Pediatric Research, 2025.
5. *Ordinal Outcome State-Space Models for Intensive Longitudinal Data*.
Psychometrika, 2024.
6. *Maturation of Cardioventilatory Physiological Trajectories in Extremely Preterm Infants*.
Pediatric Research, 2024.
7. *Cardiorespiratory Monitoring Data to Predict Respiratory Outcomes in Extremely Preterm Infants*.
American Journal of Respiratory and Critical Care Medicine, 2023.
8. *Cardiorespiratory Signature of Neonatal Sepsis: Development and Validation of Prediction Models in 3 NICUs*.
Pediatric Research, 2023.

Service

Conference Reviewing: ICML, NeurIPS, IC2S2, CHIL, COLM

Journal Reviewing: Transactions on Machine Learning Research, Pediatric Research, Frontiers in Immunology

Media Coverage

CBS19 News, [Inside the Numbers – Data Science and Health Research](#)

2025/09