Qiusheng Wu

Associate Professor · Data Scientist

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Education

Ph.D. in Computer Science — **Example University, USA**

Scalable machine learning for large-scale data analysis — 2020

M.S. in Computer Science — **Example University, USA**

Distributed computing frameworks for data-intensive applications — 2016

B.S. in Computer Science — **Example College, USA**

Efficient algorithms for graph processing — 2014

Academic Appointments

- 2023–present: Assistant Professor, Department of Computer Science, Example University
- 2020–2023: Postdoctoral Researcher, Data Science Lab, Example Institute
- 2018–2020: Research Assistant, Department of Computer Science, Example University

Research Areas

Research Focus Data Science, Machine Learning, Open-Source Software Development, Cloud Computing

Patents

- J. Doe, J. Smith. "Method and system for automated data processing." U.S. Patent Application No. 12/345,678, filed January 2025.

Awards & Honors

- 2026: Outstanding Research Award, Example University
- 2025: Best Paper Award, International Data Science Conference
- 2024: Open Source Contributor Award, Open Source Foundation
- 2023: Early Career Research Award, College of Sciences, Example University
- 2022: Graduate Teaching Award, Department of Computer Science, Example University
- 2021: NSF CAREER Award
- 2020: Best Dissertation Award, Example University

Books

- **J. Doe** (2026). *Data Science with Python*. Publisher Name. https://example.com/book

Refereed Publications

Published: 10 papers | **Citations**: 500+ | *h*-index: 8

2026

- **J. Doe**, J. Smith, A. Johnson (2026). "Deep learning for geospatial analysis." *Journal of Data Science*, 15(3), 123–145. https://doi.org/10.1234/example1
- **J. Doe**, J. Smith, A. Johnson (2026). "Deep learning for geospatial analysis." *Journal of Data Science*, 15(3), 123–145. https://doi.org/10.1234/example1
- A. Johnson, **J. Doe** (2026). "Scalable cloud computing for large datasets." *IEEE Transactions on Big Data*, 8(2), 456–470. https://doi.org/10.1234/example2

2025

- **J. Doe**, B. Williams (2025). "Open-source tools for reproducible research." *Nature Methods*, 22(1), 78–92. https://doi.org/10.1234/example3
- C. Brown, **J. Doe**, D. Lee (2025). "Machine learning in environmental science." *Environmental Modelling & Software*, 150, 105–120. https://doi.org/10.1234/example4

Grants

Funded

As PI

- **J. Doe** (PI). "Scalable Data Science Infrastructure." National Science Foundation (NSF). $500,000. 2024–2027.
- **J. Doe** (PI). "Open-Source Tools for Machine Learning." Department of Energy (DOE). $250,000. 2023–2025.

As Co-PI

- J. Smith (PI), **J. Doe** (Co-PI). "Cloud Computing for Scientific Research." NSF. $750,000. 2024–2028.

Pending

- **J. Doe** (PI). "AI-Driven Data Analytics Platform." NSF. $600,000. 2026–2029. (Submitted March 2026)

Open-Source Software

- **project-alpha**: A Python package for data analysis and visualization (username/project-alpha)
- **project-beta**: Machine learning utilities for scientific computing (username/project-beta)
- **project-gamma**: Cloud computing tools for large-scale data processing (username/project-gamma)
- **data-dashboard**: Interactive data visualization dashboard (username/data-dashboard)
- **ml-explorer**: Machine learning model exploration tool (username/ml-explorer)

Teaching

Self-Paced Online Courses

- CS 101: Introduction to Programming, Website
- DS 201: Data Science Fundamentals, Website

Courses at Example University

- CS 301: Machine Learning (Fall 2023, Fall 2024, Fall 2025)
- CS 401: Deep Learning (Spring 2024, Spring 2025)
- DS 501: Advanced Data Science (Fall 2024)

Courses at Previous University

- CS 110: Programming Fundamentals (Fall 2020, Spring 2021)
- CS 210: Data Structures (Fall 2021, Spring 2022)

Mentoring

Current Students

- Alice Smith: Ph.D.: Machine learning for scientific discovery
- Bob Johnson: M.S.: Cloud computing optimization

Past Students

Graduated

- Carol Williams: M.S.: Natural language processing: 2025
- David Brown: M.S.: Computer vision applications: 2024

Workshops

2026

- Introduction to Machine Learning with Python. *Data Science Conference 2026*. San Francisco, CA. March 15, 2026 (3 hours)
- Cloud Computing for Scientific Research. *Cloud Summit 2026*. Seattle, WA. February 10, 2026 (2 hours)

2025

- Open-Source Tools for Data Analysis. *PyCon 2025*. Pittsburgh, PA. April 20, 2025 (4 hours)
- Deep Learning Workshop. *NeurIPS 2025*. Vancouver, Canada. December 8, 2025 (3 hours)

Invited Talks

(10+ invited talks at conferences and universities)

2026

- "Scalable Data Science with Open-Source Tools." Keynote at *International Data Science Conference*. New York, NY. April 5, 2026
- "The Future of Open-Source Scientific Software." Invited talk at *Example University Colloquium*. Boston, MA. March 1, 2026

2025

- "Machine Learning for Environmental Science." Invited talk at *Environmental Data Summit*. Denver, CO. October 15, 2025

- "Building Open-Source Communities." Invited talk at *Open Source Summit*. Austin, TX. June 20, 2025

Conference Proceedings

- **J. Doe**, A. Smith. "Efficient distributed computing for large-scale data." *Proceedings of the International Conference on Data Engineering (ICDE)*. 2025.
- B. Johnson, **J. Doe**. "Neural network architectures for spatial data." *Proceedings of the AAAI Conference on Artificial Intelligence*. 2024.

Conference Presentations

2026

- **J. Doe**. "Advances in open-source data science tools." *AAAS Annual Meeting*. Phoenix, AZ. February 2026.

2025

- **J. Doe**, A. Johnson. "Cloud-based machine learning pipelines." *AGU Fall Meeting*. New Orleans, LA. December 2025.
- **J. Doe**. "Open-source tools for reproducible research." *SciPy Conference*. Austin, TX. July 2025.

Professional Services

- 2024–present: Associate Editor, *Journal of Data Science*
- 2023–present: Program Committee Member, International Conference on Machine Learning (ICML)
- 2022–present: Reviewer, *Nature Methods*, *IEEE TPAMI*, *JMLR*

Institutional Services

Department of Computer Science, Example University

- 2026–present: Faculty Search Committee Member
- 2026–present: Faculty Search Committee Member
- 2025–present: Graduate Admissions Committee Chair
- 2024–present: Curriculum Committee Member
- 2023–present: Seminar Series Organizer

College of Sciences, Example University

- 2024–present: Research Computing Advisory Board Member
- 2023–2024: Faculty Search Committee Member

Disciplinary Services

Conference Organization

- 2026: Session Chair, International Data Science Conference
- 2025: Workshop Organizer, PyCon
- 2024: Program Committee, SciPy Conference

Proposal Review

- NSF Panel Reviewer (2024, 2025)
- DOE Proposal Reviewer (2023)