

Yanshuai Qin

Regensburg, Germany • Open to Europe / US / Asia • yanshuai.qin@ur.de • LinkedIn • Website • GitHub • arXiv

Target roles

Quantitative Researcher • Data Scientist • ML Engineer

Profile

PhD in Mathematics (UC Berkeley, 2023) with recently completed postdoctoral research experience at the University of Regensburg (Germany, 2023–2025). Strong record of rigorous problem solving, careful validation of complex arguments, and clear technical communication. Seeking quant research and data/ML roles that value disciplined modeling, evaluation, and reproducible computational workflows.

Technical Skills

Programming	Python (primary); C++ (basic)
Scientific Python	NumPy, pandas, SciPy; Jupyter
ML / Stats	scikit-learn (core models, evaluation, basic feature engineering)
Workflow	Git/GitHub; Linux; reproducible experiments; technical writing
Languages	Chinese (native), English (fluent)

Experience

Postdoctoral Researcher (Mathematics)

University of Regensburg, Germany

Nov 2023 – Dec 2025

- Conducted independent and collaborative research; developed new results and produced publication-quality manuscripts under deadlines.
- Communicated complex technical material to expert audiences; distilled dense ideas into clear narratives and structured explanations.
- Collaborated internationally with coauthors; iterated through feedback cycles and careful verification.

Visiting Scholar

Beijing International Center for Mathematical Research (BICMR), Beijing

Oct 2023 – Nov 2023

- Research visit and collaboration; participated in technical discussions and seminars.

Education

PhD, Mathematics, University of California, Berkeley (Advisor: Xinyi Yuan)

2018–2023

MSc, Mathematics, Nanjing University

2016–2018

BSc, Mathematics, Nanjing University

2011–2015

Research Output (selected)

- Peer-reviewed: “On the Brauer groups of fibrations,” *Mathematische Zeitschrift* (2024).
- Preprints: 5 in arithmetic geometry (arXiv Preprints).
- **Selected invited talks:** Univ. of Arizona; AMSS (CAS); IRMA (Strasbourg); Bernoulli Center (EPFL); PRIMA Congress (2022).

Awards

- Department Fellowship, UC Berkeley Mathematics Department (Summer 2020, Summer 2021, Spring 2022, Summer 2022, Summer 2023).

Teaching (selected)

- UC Berkeley (2019–2023): Graduate Student Instructor / Instructor across numerical analysis, calculus, manifolds, commutative algebra, and number theory.
- Nanjing University (2017): Teaching Assistant, Galois Theory.