

# Yanshuai Qin

Regensburg, Germany • Open to Europe / US / Asia • [yanshuai.qin@ur.de](mailto: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

---

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

## Experience

---

<b>Postdoctoral Researcher (Mathematics)</b>	University of Regensburg, Germany
<i>Nov 2023 – Dec 2025</i>	

- 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.

<b>Visiting Scholar</b>	Beijing International Center for Mathematical Research (BICMR), Beijing
<i>Oct 2023 – Nov 2023</i>	

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

## Education

---

<b>PhD, Mathematics</b> , University of California, Berkeley (Advisor: Xinyi Yuan)	2018–2023
<b>MSc, Mathematics</b> , Nanjing University	2016–2018
<b>BSc, Mathematics</b> , 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.