

Yiming Qin

yiming.qin@epfl.ch |  GitHub |  Google Scholar |  Twitter |  LinkedIn

EPFL – EDIC, Lausanne, Switzerland

ABOUT ME

I am a fourth-year Ph.D. candidate in Computer Science at EPFL. My research focuses on generative modeling, with particular interests in discrete diffusion and flow matching, diffusion language models, efficient generative modeling, and applications to graphs and molecular design. More information can be found on my [personal page](#).

EDUCATION

- **École polytechnique fédérale de Lausanne (EPFL)** Feb. 2023 – Apr. 2027
Ph.D. Candidate in Computer and Communication Sciences (EDIC) Lausanne, Switzerland
 - Compute science; GPA: 5.67/6.00; Supervisor: [Prof. Pascal Frossard](#)
- **University of Cambridge & MRC Laboratory of Molecular Biology (LMB)** Oct. 2025 – Dec. 2025
Visiting Researcher Cambridge, UK
 - Hosts: [Prof. Pietro Liò](#) and [Prof. Sjors Scheres](#)
- **École Polytechnique (X)** Mar. 2019 – Aug. 2023
Ingénieur diplômé de l'École polytechnique (Master's level), dual degree with SJTU Paris, France
 - Applied Mathematics; GPA: 3.80/4.00
- **Shanghai Jiao-Tong University (SJTU)** Sept. 2021 – Feb. 2023
M.E. in Electronic, Information and Electrical Engineering (SEIEE) Shanghai, China
 - Information Engineering; GPA: 3.98/4.00
- **Shanghai Jiao-Tong University (SJTU)** Sept. 2016 – Sept. 2020
B.E. & B.A., Paris Elite Institute of Technology (SPEIT) Shanghai, China
 - Information Engineering and French; GPA: 3.92/4.00

SELECTED PUBLICATIONS

*EQUAL CONTRIBUTION

- [2026] **Yiming Qin***, Ke Wang*, Amel Abdelraheem, Adam Hazimeh, Pascal Frossard. [Enhancing Diffusion Language Models with Autoregressive Post-Training Weights](#). arXiv preprint.
- [2025] **Yiming Qin***, Manuel Madeira*, Dorina Thanou, Pascal Frossard. [DeFoG: Discrete Flow Matching for Graph Generation](#). In *International Conference on Machine Learning (ICML) – Oral Presentation*.
- [2024] **Yiming Qin**, Clément Vignac, Pascal Frossard. [SparseDiff: Sparse Discrete Diffusion for Scalable Graph Generation](#). In *Transactions on Machine Learning Research (TMLR)*.
- [2025] Ke Wang*, **Yiming Qin***, Nikolaos Dimitriadis, Alessandro Favero, Pascal Frossard. [MEMOIR: Lifelong Model Editing with Minimal Overwrite and Informed Retention for LLMs](#). In *Conference on Neural Information Processing Systems (NeurIPS)*.
- [2026] **Yiming Qin***, Kai Yi*, Miruna Cretu, Sjors H. W. Scheres, Pietro Liò, Pascal Frossard. [DBMol: Design of High-Affinity, Target-Specific Small Molecules through Structure Prediction Model](#). In *International Conference on Machine Learning (ICML) – GenBio Workshop*.
- [2026] Andrea Miele, **Yiming Qin**, Alba Carballo-Castro, Justin Deschenaux, Pascal Frossard. [Fixed-Point Masked Generative Modeling](#). In *Conference on Neural Information Processing Systems (NeurIPS)*.
- [2026] Sergio Rozada, **Yiming Qin**, Manuel Madeira, Pascal Frossard, Alejandro Ribeiro. [DiPhon: Diffusion on Graphons for Scalable Graph Generation](#). In *Conference on Neural Information Processing Systems (NeurIPS)*.
- [2023] **Yiming Qin**, Huangjie Zheng, Jiangchao Yao, Mingyuan Zhou, Ya Zhang. [Class-Balancing Diffusion Models](#). In *Conference on Computer Vision and Pattern Recognition (CVPR)*.
- [2026] Alba Carballo-Castro, Manuel Madeira, **Yiming Qin**, Dorina Thanou, Pascal Frossard. [Generating Directed Graphs with Dual Attention and Asymmetric Encoding](#). In *International Conference on Learning Representations (ICLR)*.

WORK EXPERIENCE

- **Research Scientist Intern** Oct. 2026 – Jan. 2027
Terray Therapeutics, Monrovia, CA, USA
 - Generative modeling for drug design.
- **Teaching Assistant** Sept. 2023 – July 2026
EPFL, Lausanne, Switzerland
 - Network Machine Learning, Probability and Statistics, and Introduction to Programming.
- **Quantitative Researcher Intern** Oct. 2022 – Jan. 2023
Luoshu Investment Company, Shanghai, China
 - Built automated factor discovery pipelines and studied lead-lag signals for quantitative trading.
- **Research Assistant** Mar. 2021 – Aug. 2021
École Normale Supérieure (ENS Ulm), Paris, France
 - Developed robust representations for noisy microscopy sequences and introduced the SynDiv synthetic dataset.
- **Developer Intern** June 2019 – Sept. 2019
Luoshu Investment Company, Shanghai, China
 - Built a unified back-testing and factor-analysis platform for equities and derivatives.

HONORS AND AWARDS

- **ELSA Experienced Researchers Mobility Grant** 2025
European Lighthouse on Secure and Safe AI / CISP
- **ICML 2025 Oral Presentation** 2025
DeFoG
- **EDIC Fellowship** 2023
EPFL
- **3rd Place in Huawei Research France Competition** 2021
Transfer Learning on Home Networks
- **2nd Place in Graph Drawing Contest** 2021
Live Challenge: Automatic
- **Meritorious Winner, Mathematical Contest in Modeling** 2019
Top 7%
- **Shanghai Jiao Tong University SMC Scholarship** 2018
SJTU
- **Shanghai Jiao Tong University B Grade Merit Scholarship** 2018
SJTU
- **SPEIT ARDIAN Scholarship** 2017
SPEIT – SJTU

ACADEMIC ACTIVITIES

- **ICML (2026):** Presented three workshop papers in Seoul.
- **AMLD (2026):** AI and Machine Learning Days, Lausanne.
- **ICML (2025):** Presented DeFoG as an oral presentation in Vancouver.
- **AI for Health Summer School (2025):** Staff member, ELLIS Unit Lausanne.
- **OxML (2024):** Machine Learning Summer School, University of Oxford.
- **LoG (2023):** Learning on Graphs Conference local meetup.

SKILLS

- **Software Skills:** Python, PyTorch, PyTorch Geometric, C++, Java, MATLAB, Git, Docker, Run:ai, LaTeX
- **Languages:** English (TOEFL 104), French (TCF C1), Mandarin (Native), Japanese (Beginner)
- **Research Areas:** Diffusion and Flow Matching, Large Language Models, Molecular and Drug Design