

Yuanqi Du

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EDUCATIONS

George Mason University

B.S. in Computer Science

GPA: 4.0/4.0 | Major: 16/18 A+

Fairfax, VA

Aug 2017 - May 2021

Huaqiao University

B.S. in Computer Science

GPA: 4.6/5.0

Xiamen, China

Aug 2016 - Jun 2021

REPRESENTATIVE PUBLICATIONS

* denotes equal contribution, [†] denotes correspondence, full list can be found in [personal website](#) including [in-submissions](#).

Conference Papers

- **Yuanqi Du***, Xiaojie Guo*, Hengning Cao, Yanfang Ye, Liang Zhao. Disentangled Spatiotemporal Graph Generative Model, accepted in *AAAI 2022*, also presented in *NeurIPS 2021 DGMs workshop*.
- **Yuanqi Du***, Shiyu Wang*, Xiaojie Guo, et al. GraphGT: Machine Learning Datasets for Graph Generation and Transformation, accepted in *NeurIPS 2021 Datasets and Benchmarks track*.
- Xiaojie Guo*, **Yuanqi Du***, Liang Zhao. Deep Generative Model for Spatial Networks, published in *KDD 2021*.
- Xiaojie Guo, **Yuanqi Du**, Liang Zhao. Property Controllable Variational Autoencoder via Invertible Mutual Dependence, published in *ICLR 2021*.
- **Yuanqi Du**, Yinkai Wang, Fardina Alam, Yuanjie Lu, Xiaojie Guo, Liang Zhao, and Amarda Shehu. Deep Latent-Variable Models for Controllable Molecule Generation, accepted in *BIBM 2021*.

Journals

- Xiaojie Guo*, **Yuanqi Du***, Sivani Tadepalli, Liang Zhao, Amarda Shehu. Generating Tertiary Protein Structures via an Interpretative Variational Autoencoder, accepted in *Bioinformatics Advances*.

Workshop Papers

- **Yuanqi Du**, Xian Liu, Shengchao Liu, Jieyu Zhang, Bolei Zhou. Interpreting Molecule Generative Models for Interactive Molecule Discovery, accepted in *ELLIS ML4Molecules workshop 2021 (Oral)*.
- Ziming Liu, Yunyue Chen, **Yuanqi Du**, Max Tegmark. Physics-Augmented Learning: A New Paradigm Beyond Physics-Informed Learning, accepted in *NeurIPS 2021 AI for Science workshop*.

Workshop Organization

- Payal Chandak, **Yuanqi Du**[†], Tianfan Fu, Wenhao Gao, Kexin Huang, Shengchao Liu, Ziming Liu, Gabriel Spadon, Max Tegmark, Hanchen Wang, Adrian Weller, Max Welling, Marinka Zitnik (alphabetic order). [AI for Science: Mind the Gaps](#) workshop, with *NeurIPS 2021*.
- **Yuanqi Du**[†], Adji Bousso Dieng, Yoon Kim, Rianne Van Den Berg, Yoshua Bengio. [Deep Generative Models for Highly Structured Data](#), with *ICLR 2022*.
- **Yuanqi Du**, Hannes Stärk, Derek Lim, Petar Veličković, Pietro Liò, Michael Bronstein, Stefanie Jegelka, et al. Geometric Deep Learning Conference, in December 2021.

PROFESSIONAL & RESEARCH EXPERIENCES

University of Amsterdam

Visiting Student (AMLAB & AI4Science)

Topic: Modeling Chemical Systems with Equivariant Neural Nets, Advisor: **Max Welling**

Amsterdam, Netherlands

June 2021 - Present

DP Technology <i>Researcher</i> Topic: AI for Drug Discovery, Supervisor: Linfeng Zhang	Beijing, China Oct 2021 - Present
Princeton University <i>Visiting Student</i> Topic: Highly Structured Scientific Data Modeling, Advisor: Adji Bousso Dieng	Princeton, US Oct 2021 - Present
The Chinese University of Hong Kong <i>Visiting Student (MM Lab)</i> Topic: Deep Generative Models for Molecule Generation and Manipulation, Advisor: Bolei Zhou	Hong Kong June 2021 - Dec 2021
George Mason University <i>Research Assistant</i> Topic: Deep Graph Learning and Molecule/Protein Structure & Dynamic Learning Advisor: Liang Zhao, Amarda Shehu	Fairfax, US Jan 2020 - Oct 2021
Microsoft Research Asia <i>Research Intern (Machine Learning & Computational Biology Group)</i> Topic: Protein Structure Prediction, Advisor: Jianwei Zhu	Beijing, China Nov 2020 - May 2021
Chinese Academy of Sciences <i>Visiting Student (MIRACLE Group)</i> Topic: Medical Image Synthesis, Advisors: S. Kevin Zhou, Hu Han	Beijing, China Aug 2020 - Nov 2020

AWARDS & ACHIEVEMENTS

• MSRA Star of Tomorrow Award	2021
• Distinguished Academic Achievement Award	2021
• Outstanding Graduate Student	2021
• NeurIPS, AIJ AIIDE Travel Award	2020
• NSF REU Fellowship	2019-2020
• Distinguished Undergraduate Research Award	2019-2020
• Distinguished Undergraduate Teaching Assistant Award	2019-2020
• GMU OSCAR Fellowship	Summer 2019
• Outstanding Undergraduate Teaching Award	2018-2019
• League of Legends Challenger (world top 0.01%)	2016
• StarCraft II GrandMaster (world top 0.2%)	2015

TEACHING & MENTORING EXPERIENCES

George Mason University <i>Undergraduate Teaching Assistant</i> Courses: Object-oriented Programming, Data Structures, Data Mining	Fairfax, US Aug 2018 - Dec 2019
George Mason University <i>Peer Mentor</i> Courses: Research Advisor & Engineering Courses & Careers Services	Fairfax, US Feb 2019 - May 2019

PROFESSIONAL SERVICES

- Reviewer for TPAMI, ICLR, AISTATS, TNNLS, NeurIPS-W, KDD, TKDD, BMVC, CIKM, ICDM, J. Adv. Transp., NeurIPS-AI4Sci, DLG-KDD, IRS-KDD, BioKDD
- Co-organize conferences KDD 2021/AAAI 2021 (Web Team), Co-organize workshops DLG-KDD/AAAI 2021/2022, DeepSpatial-KDD 2020/2021, open-source community (e.g. [GraphGT](#))