

JIAHAO YU

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EDUCATION

University of Bristol, Bristol, UK 09/2021 — 06/2025 (Expected)
BSc Data Science with Year in Industry, School of Mathematics

- 3rd Year: Computational Scientist Industrial Placement at GSK.
- 2nd Year Units: Advanced Linear Modelling and Classification; Algorithms and Machine Learning; Intermediate Scientific Computing; Perspectives in Data Science; Probability 2; Statistics 2.
- 1st Year Units: Algorithms and Programming in C(++) and R; Analysis; Introductory Scientific Computing; Mathematical Tools for Data Science; Matrix Algebra and Linear Models; Probability and Statistics.

RESEARCH

GlaxoSmithKline (GSK), Stevenage, UK 09/2023 — 08/2024 (Expected)
Computational Scientist Industrial Placement, Data and Predictive Sciences

- Supervisors: Dr. David Marcus (GSK) & Prof. Christophe Andrieu (UoB).
- Group: Cheminformatics.
- Topics: Data imputation, data augmentation, and uncertainty quantification.

University of Bristol, Bristol, UK 07/2023 — Present
Undergraduate Researcher, School of Mathematics

- Supervisor: Dr. Song Liu.
- Future Project: Modern Generative Models and its Applications in Statistical Machine Learning.
- Topics: Data imputation, and gradient flows.
- Funding: Summer Studentship Research Bursary from UoB.

Tel Aviv University, Tel Aviv, Israel 06/2023 — 08/2023
Summer Intern, Blavatnik School of Computer Science

- Supervisor: Dr. Mahmood Sharif.
- Group: Privacy, Learning, Usability, and Security (PLUS) Research Group.
- Topic: Transferable Realizable Attacks against Face Recognition.
- Funding: Scholarships from TAU and UoB.

TEACHING

University of Bristol, Bristol, UK 01/2023 — 06/2023
Demonstrator, School of Mathematics

- Lead support session for 1st Year *Algorithms and Programming in C(++) and R* unit.

AWARDS

- **2023/24 Summer Studentship Research Bursary, University of Bristol Alumni Foundation.**
- **2022/23 Global Opportunities Scholarship, University of Bristol**, for Summer Research Program at TAU.
- **2022/23 Tel Aviv University Lowy International Summer Program Scholarship, Tel Aviv University.**
- **2022/23 Bristol PLUS Award, University of Bristol**, for recognizing employability skills.
- **2021/22 Boeing Scholarship Award, Boeing & University of Bristol**, for top-performing results in 1st Year.

PUBLICATIONS

Conference

- Song Liu, **Jiahao Yu**, Jack Simons, Mingxuan Yi, Mark Beaumont. *Minimizing f -Divergences by Interpolating Velocity Fields*, ICML, 2024.

Poster

- **Jiahao Yu**, David Marcus. *Filling the gaps: Data Imputation Methods for Drug Discovery*, UK-QSAR Spring Meeting, 2024.

OTHER

Workshops/Schools/Seminars/Conferences

- *UK-QSAR Spring Meeting*, Cambridge, UK, 2024 (Poster presenter).
- *Probabilistic Numerics Spring School*, Southampton, UK, 2024 (Attendee).
- *Workshop on Functional Inference and Machine Intelligence (FIMI)*, Bristol, UK, 2024 (Attendee).
- *RDKit UGM*, Mainz, Germany, 2023 (Remote attendee).
- *Summer Programme Artificial Intelligence and Machine Learning*, Oxford, UK, 2022 (Attendee).

Professional Experience

- **University of Bristol**, Bristol, UK, 11/2021 – 06/2023. *Student Advisory Group Consultant* (Student Union), *Student Ambassadors* (University & School of Mathematics), *Course Representative* (School of Mathematics), *Student Hackathon Researcher* (Bristol Institute for Learning and Teaching).
- **Data Glacier**, Prayagraj, India, 09/2022 – 12/2022. *Data Science Internship* (Remote).