

# Jianhao Yuan

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## EDUCATION

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### University of Oxford

*PhD in Robotics*

*Supervisors: Prof. Daniele De Martini, Prof. Paul Newman, and Prof. Philip Torr*

Oxford, UK

*Oct 2023 – Present*

### University of Oxford

*MEng. in Engineering Science, First Class Honors*

*Supervisors: Prof. Nick Hawes and Prof. Clive Siviour*

Oxford, UK

*Sep 2019 – Jun 2023*

## SELECTED PUBLICATIONS

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Full Publication list on [Google Scholar]

- [1] RAG-Driver: Generalisable Driving Explanations with Retrieval-Augmented In-Context Learning in Multi-Modal Large Language Models. [Jianhao Yuan](#), Shuyang Sun, Daniel Omeiza, Bo Zhao, Paul Newman, Lars Kunze, Matthew Gadd. Robotics: Science and Systems (RSS), 2024. [Link]
- [2] Not Just Pretty Pictures: Toward Interventional Data Augmentation Using Text-to-Image Generators. [Jianhao Yuan](#)<sup>\*</sup>, Francesco Pinto<sup>\*</sup>, Adam Davies<sup>\*</sup>, Philip Torr. International Conference on Machine Learning (ICML), 2024. [Link]
- [3] Real-Fake: Effective Training Data Synthesis Through Distribution Matching. [Jianhao Yuan](#), Jie Zhang, Shuyang Sun, Philip Torr, Bo Zhao. International Conference on Learning Representations (ICLR), 2024.[Link]

## EXPERIENCE

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### Meta

*Research Scientist Internship*

- Work on physically consistent video generative model.

Montreal, Canada

*June 2025 – Present*

### Amazon

*Applied Scientist Internship*

- Work on controllable and consistent content generation with diffusion-based video generative model.

London, UK

*Sep 2024 – Mar 2025*

### Oxa

*Research Internship*

- Work on scenario generation and explanation for autonomous driving navigation using generative world model.

Oxford, UK

*May 2024 – Aug 2024*

### Beijing Academy of Artificial Intelligence (BAAI)

*Research Internship*

- Work on applications of image generative models in synthetic data generation.

Beijing, China

*May 2023 – Sep 2023*

## AWARDS & ACHIEVEMENTS

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**Distinction Scholarships:** Awarded for academic excellence in 2020, 2021, and 2022.

**Rokos Award:** Granted for research internship from Rokos Capital Management and Pembroke College

## ACADEMIC SERVICES

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**Journal Reviewer:** IJCV, TMLR, RA-L

**Conference Reviewer:** ICLR, ICML, RSS, CoRL, ICRA, IROS