

# JIANYUAN WANG

Webpage: <https://jytime.github.io> ◇ Email: [jianyuan@robots.ox.ac.uk](mailto:jianyuan@robots.ox.ac.uk)

## EDUCATION

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**University of Oxford, Visual Geometry Group (VGG)**

*Jan 2023 – Present*

Doctor of Philosophy in Engineering Science

Joint PhD Program with Meta AI, fully funded by Facebook AI Research Scholarship

Supervised by Christian Rupprecht, David Novotny, and Andrea Vedaldi

**Australian National University**

*Mar 2019*

Bachelor of Engineering, First Class Honours

## EXPERIENCE

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**Facebook AI Research (FAIR) London**, Research Assistant

*Oct 2022 – Present*

Full-time researcher operating under a dual-affiliation PhD program with Oxford

**Chinese University of Hong Kong**, Research Assistant

*Jun 2021 – Sep 2022*

## AWARDS

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**Best Paper Award, Computer Vision and Pattern Recognition (CVPR) 2025**

*Jun 2025*

**Facebook AI Research Scholarship**

*Jan 2023*

## SELECTED PUBLICATIONS

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- **Jianyuan Wang**, Minghao Chen, Nikita Karaev, Andrea Vedaldi, Christian Rupprecht, and David Novotny. “VGGT: Visual Geometry Grounded Transformer”. *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025, **Best Paper Award**.  12.3k
  - Oriane Siméoni, Huy V. Vo, Maximilian Seitzer, Federico Baldassarre, Maxime Oquab, Cijo Jose, Vasil Khalidov, Marc Szafraniec, Seungeun Yi, Michaël Ramamonjisoa, Francisco Massa, Daniel Haziza, Luca Wehrstedt, **Jianyuan Wang**, Timothée Darcet, Théo Moutakanni, Leonel Sentana, Claire Roberts, Andrea Vedaldi, Jamie Tolan, John Brandt, Camille Couprie, Julien Mairal, Hervé Jégou, Patrick Labatut, and Piotr Bojanowski. “DINOv3”. *arXiv preprint arXiv:2508.10104*, 2025.  9.4k
  - **Jianyuan Wang**, Nikita Karaev, Christian Rupprecht, and David Novotny. “VGGsFM: Visual Geometry Grounded Deep Structure from Motion”. *Conference on Computer Vision and Pattern Recognition (CVPR)*, 2024, **Highlight**.  1.3k
  - Nikita Karaev, Iurii Makarov, **Jianyuan Wang**, Natalia Neverova, Andrea Vedaldi, and Christian Rupprecht. “CoTracker3: Simpler and Better Point Tracking by Pseudo-Labeling Real Videos”. *International Conference on Computer Vision (ICCV)*, 2025, **Highlight**.  4.8k
  - **Jianyuan Wang**, Christian Rupprecht, and David Novotny. “PoseDiffusion: Solving Pose Estimation via Diffusion-aided Bundle Adjustment”. *International Conference on Computer Vision (ICCV)*, 2023.  0.8k