Charig Yang

💼 Research Scientist
🎓 PhD, Oxford VGG
🌐 robots.ox.ac.uk/~charig
📧 charigy@google.com

Summary

Research Scientist at Isomorphic Labs (Alphabet/Google DeepMind) working on AI for drug discovery. My research focuses on learning representations of dynamic systems from multi-modal data, spanning video understanding, self-supervised learning, and temporal modelling.

Experience

🧬 **Isomorphic Labs** London, UK
Research Scientist Jun 2025 - Present
- Develop post-AlphaFold models for predicting biomolecular structure and interactions
- Adapt computer vision methods to novel problems in drug discovery
- Exploratory research in multimodal and temporal representation learning

🕶️ **Reality Labs, Meta** Seattle, WA
Research Scientist Intern Jun 2024 - Feb 2025
- Built multimodal contextual AI for smart glasses with video, eye tracking, and sensor data
- Led modelling and data collection, resulting in a first-author NeurIPS publication

Education

🎓 **University of Oxford** Oxford, UK
PhD in Computer Vision and Machine Learning Oct 2020 - Apr 2025
- Advisors: Andrew Zisserman and Weidi Xie, Visual Geometry Group (VGG)
- Research: video understanding, self-supervised learning, motion segmentation
- Teaching: computer vision, machine learning, robotics, control, mathematics, electronics

🎓 **University of Oxford** Oxford, UK
MEng in Information Engineering Oct 2016 - Jun 2020
- Grade: First Class (Rank 2/162)
- Internships: Metaswitch (Microsoft acquired), Japan Railways, CP Group, True
- Societies: President at Engineers without Borders, Thai Society, Engineering Committee

Selected Publications

Accurate Predictions of Novel Biomolecular Interactions with IsoDDE
Isomorphic Labs Team. Technical Report, 2026.

Reading Recognition in the Wild
C. Yang, *et al.* NeurIPS, 2025. *Internship Project at Meta.*

Learning from Time
C. Yang. PhD Thesis, 2025. *Committee: C. Rupprecht (Oxford), W. T. Freeman (MIT).*
Includes first-author papers at CVPR, ICCV and ECCV (Oral)

Awards

Best Presentation Award, UK Robotics CDT Conference
Best Paper Award, CVPR Workshop on robust video scene understanding
Best Poster Award, Information Engineering undergraduate thesis
Edgell Sheppee Prize for second-best performance in Engineering