

# Rong Wang

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## Education

- 02/2018–12/2021 **Bachelor of Advanced Computing (R&D) (Honours).**  
**Australian National University**  
**Major:** Computer Science  
**GPA:** 7.0/7.0, **WAP:** 91/100 (ranked 1st)  
**Awards:** First Class Honours, University Medal.
- 02/2022–04/2026 **PhD of Computer Science.**  
**Australian National University**  
**Supervisor:** Prof. Hongdong Li  
**Thesis:** Learning Realistic Asset-Oriented Human Interaction and Animation

## Employment

- 07/2022 - 04/2023 **Research Internship.**  
**Corporation:** Tencent XR Vision Labs  
**Location:** Canberra  
**Description:** Research project of 3D hand pose estimation from egocentric image inputs for XR systems.
- 06/2024 - 11/2024 **Research Internship.**  
**Corporation:** Meta Codec Avatar Lab  
**Location:** Pittsburgh  
**Description:** Research project of generating personalized animatable 3D avatars via universal clothed human models.
- 01/2025 - 07/2025 **Research Internship.**  
**Corporation:** Amazon IML  
**Location:** Canberra  
**Description:** Applied Research Scientist II intern for developing large scale 3D assets and orbital video generation from single reference image.
- 07/2025 - 11/2025 **Research Internship.**  
**Corporation:** Sony AI  
**Location:** Tokyo  
**Description:** Research project of motion conditioned animation character video generation at the music foundation model team.

## Publications

- 2021 **WSDM.**  
Shin, M., Tran, A., Wu, S., Mathews, A., **Rong, W.**, Lyall, G., & Lexing, X. (2021). **AttentionFlow: Visualising Influence in Networks of Time Series.** Proceedings of the 14th ACM International Conference on Web Search and Data Mining.

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- 2022 **AAAI**.  
Dongxu, L., Chenchen, X., Liu, L., Yiran, Z., **Rong, W.**, Lars, P., Hongdong, L. (2022). **Transcribing Natural Languages for the Deaf via Neural Editing Program Synthesis**. Proceedings of the 36th AAAI Conference on Artificial Intelligence.
- 2023 **WACV**.  
**Rong, W.**, Wei, M., Hongdong, L. (2023). **Interacting Hand-Object Pose Estimation via Dense Mutual Attention**. Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision.
- 2023 **NeurIPS**.  
**Rong, W.**, Wei, M., Hongdong, L. (2023). **DeepSimHO: Stable Pose Estimation for Hand-Object Interaction via Physics Simulation**. In Thirty-seventh Conference on Neural Information Processing Systems.
- 2024 **ICLR**.  
Sichao, L., **Rong, W.**, Quanli, D., Amanda, B. **Exploring the cloud of feature interaction scores in a Rashomon set**. In The Twelfth International Conference on Learning Representations.
- 2024 **ECCV**.  
**Rong, W.**, Wei, M., Changsheng, L., Hongdong, L. **Towards High-Quality 3D Motion Transfer with Realistic Apparel Animation**. The 18th European Conference on Computer Vision.
- 2025 **3DV**.  
Haorui, J., **Rong, W.**, Taojun, L., Hongdong, L. **JADE: Joint-aware Latent Diffusion for 3D Human Generative Modeling**. The 12th International Conference on 3D Vision.
- 2025 **CVPR**.  
**Rong, W.**, Fabian, P., Ziyan, W., Zhongshi J., Chengxiang Y., Junxuan L., Shunsuke S., Igor S., Javier R., Rohan J., Hongdong L., Jason S., Yaser S. **FRESA: Feedforward Reconstruction of Personalized Skinned Avatars**. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition
- 2026 **3DV**.  
**Rong, W.**, Wei, M., Changsheng, L., Hongdong, L. **Learning High-Fidelity Cloth Animation via Skinning-Free Image Transfer**. The 13th International Conference on 3D Vision.
- 2026 **CVPR**.  
**Rong, W.**, Ruyi, Z., Ziang, C., Jiayu, Y., Hongdong, L. **Towards Realistic and Consistent Orbital Video Generation via 3D Foundation Priors**. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition
- 2026 **ECCV**.  
Changsheng L., Yuxin C., Haokun G., **Rong W.**, Jie Y., Harry Y., Anton H., Jiaya J. **GKDT: General Keypoint Detection Transformer**. The 19th European Conference on Computer Vision.

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## Awards

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- 2018 **ANU Excellence Scholarship.**  
\$5000 tuition fee discount in the first 12 months of study at ANU followed by a 10 percent discount of tuition fees for years of study thereafter, awarded to students who have achieved an excellent level in their final years of schooling.
- 2019 – 2021 **ANU Summer Research Scholarship.**  
Awarded for summer research project, working with Prof. Steve Blackburn and Prof. Lexing Xie.
- 2019 – 2021 **Terrell International Undergraduate Scholarships.**  
50 % tuition fee plus 100 % OSHC, awarded to top international undergraduate students on the basis of their achievement in the first year of a Bachelor's degree.
- 2021 **University Medal.**  
Awarded to students who have demonstrated exceptional academic excellence.
- 2021 **Erin Brent Computer Science Prize.**  
\$500 Monetary prize. Awarded to the student who achieved the best Honours result in any of the degree programs relating to Computer Science, Software Engineering or Information Technology.
- 2022 **Australian Government Research Training Program International Scholarship.**  
Covers PhD tuition with annual stipend, funded by the Australian government.

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## Academic Service

- 2024 **Conference Reviewer.**  
Reviewer for NeurIPS, 3DV, ICLR, AISTATS.
- 2025 **Conference Reviewer.**  
Reviewer for ICML, CVPR, ICCV, NeurIPS, 3DV.
- 2026 **Conference & Journal Reviewer.**  
Reviewer for CVPR, ECCV, NeurIPS, IJCV.