RUNDI WU

rundi.wu@columbia.edu

https://www.cs.columbia.edu/~rundi/

EDUCATION

Columbia University, New York, U.S. 2020.09 -
PhD student, Department of Computer Science, School of Engineering and Applied Science
Advisor: Prof. Changxi Zheng
GPA: 4.22 / 4.33

Peking University, Beijing, China 2016.09 - 2020.07
B.S., Department of Computer Science, School of Electronic Engineering and Computer Science
Turing Class, an elite program
Advisor: Prof. Baoquan Chen
GPA: 3.67 / 4.00

WORK EXPERIENCE

Google Research, San Francisco 2023.05 - 2023.08
Student Researcher, working with Ben Mildenhall and Aleksander Holynski

Pixel Lab, Tencent America, New York 2022.06 - 2022.08
Graphics Research Intern, working with Ran Zhang

PUBLICATIONS

ReconFusion: 3D Reconstruction with Diffusion Priors
Rundi Wu*, *Ben Mildenhall*, Philipp Henzler, Keunhong Park, Ruiqi Gao, Daniel Watson, Pratul P. Srinivasan, Dor Verbin, Jonathan T. Barron, Ben Poole, Aleksander Holynski**
* Denotes equal contribution
arXiv 2023

Sin3DM: Learning a Diffusion Model from a Single 3D Textured Shape
Rundi Wu, *Ruoshi Liu, Carl Vondrick, Changxi Zheng*
ICLR 2024

Zero-1-to-3: Zero-shot One Image to 3D Object
Ruoshi Liu, **Rundi Wu**, *Basile Van Hoorick, Pavel Tokmakov, Sergey Zakharov, Carl Vondrick*
ICCV 2023

Implicit Neural Spatial Representations for Time-dependent PDEs
Honglin Chen,* **Rundi Wu***, *Eitan Grinspun, Changxi Zheng, Peter Yichen Chen*
* Denotes equal contribution
ICML 2023

Learning to Generate 3D Shapes from a Single Example
Rundi Wu, *Changxi Zheng*
SIGGRAPH Asia 2022 (Journal Track)

Dynamic Sliding Window for Realtime Denoising Networks
Jinxu Xiang, Yuyang Zhu, **Rundi Wu**, *Ruilin Xu, Yuko Ishiwaka, Changxi Zheng*
ICASSP 2022

DeepCAD: A Deep Generative Network for Computer-Aided Design Models
Rundi Wu, *Chang Xiao, Changxi Zheng*
ICCV 2021

Listening to Sounds of Silence for Speech Denoising
Ruilin Xu, **Rundi Wu**, *Yuko Ishiwaka, Carl Vondrick, Changxi Zheng*
NeurIPS 2020

Multimodal Shape Completion via Conditional Generative Adversarial Networks
Rundi Wu*, *Xuelin Chen**, *Yixin Zhuang, Baoquan Chen*
* Co-first authors: authors contributed equally
ECCV 2020 spotlight

PQ-NET: A Generative Part Seq2Seq Network for 3D Shapes
Rundi Wu, *Yixin Zhuang, Kai Xu, Hao Zhang, Baoquan Chen*
CVPR 2020

Learning Character-Agnostic Motion for Motion Retargeting in 2D
Kfir Aberman, **Rundi Wu**, *Dani Lischinski, Baoquan Chen, Daniel Cohen-Or*
ACM SIGGRAPH 2019

ACADEMIC SERVICE

Reviewers for SIGGRAPH (2022), SIGGRAPH Asia (2020, 2022, 2023), NeurIPS (2021, 2022), ICLR (2022, 2023, 2024), CVPR (2023, 2024), ICML (2023), TVCG.

TEACHING EXPERIENCES

Teaching Assistant, Columbia University 2023.02 - 2023.05
COMS W4732, Computer Vision II: Learning
Instructor: Prof. Carl Vondrick

Teaching Assistant, Columbia University 2022.09 - 2022.12
COMS W4731, Computer Vision I: First Principles
Instructor: Prof. Shree Nayar

OPEN SOURCE PROJECTS

TensorLayer 2.0, a TensorFlow-based deep learning and reinforcement learning library designed for researchers and engineers.
Contributor for version 2.0 initial development.
`https://github.com/tensorlayer/tensorlayer`

HONORS & IMPORTANT AWARDS

1. Columbia SEAS Dean's Fellowship 2020, Columbia University
2. Peking University Scholarship Second Prize in the academic year of 2018-2019, Peking University
3. "Mount Qomolangma Climbing" Scholarship in the academic year of 2017-2018, Peking University

4. “Founder Group” Scholarship in the academic year of 2016-2017, Peking University
5. Merit Student in the academic year of 2016-2017 and 2018-2019, Peking University