

KAI WANG

kwang-ether.github.io · kai_wang@brown.edu

EDUCATION

Brown University

PhD, Computer Science
Advisor: Daniel Ritchie
2017 - 2022 (Expected)

Williams College

BA, Computer Science
2011 - 2016
Honor in Computer Science, Magna Cum Laude, Phi Beta Kappa

REFEREED PUBLICATIONS

Roominoes: Generating Novel 3D Floor Plans From Existing 3D Rooms. Kai Wang, Xianghao Xu, Leon Lei, Natalie Lindsay, Selena Ling, Angel X. Chang, Manolis Savva, Daniel Ritchie. *SGP 2021*.

ShapeAssembly: Learning to Generate Programs for 3D Shape Structure Synthesis. R. Kenny Jones, Theresa Barton, Xianghao Xu, Kai Wang, Ellen Jiang, Paul Guerrero, Niloy Mitra, Daniel Ritchie. *SIGGRAPH Asia 2020*.

PlanIT: Planning and Instantiating Indoor Scenes with Relation Graph and Spatial Prior Networks Kai Wang, Yu-an Lin, Ben Weissmann, Manolis Savva, Angel X. Chang, Daniel Ritchie *SIGGRAPH 2019*.

Fast and Flexible Indoor Scene Synthesis via Deep Generative Models Daniel Ritchie, Kai Wang, Yu-an Lin *CVPR 2019*.

Deep Convolutional Priors for Indoor Scene Synthesis Kai Wang, Manolis Savva, Angel X. Chang, Daniel Ritchie. *SIGGRAPH 2018*.

TEACHING

Graduate Teaching Assistant

Brown CSCI2240: Interactive Computer Graphics

Spring 2019

Teaching Assistant

Williams CS256: Algorithm Design and Analysis

Spring 2014, Spring 2015, Spring 2016

Teaching Assistant

Williams CS361: Theory of Computation

Fall 2015, Fall 2016

Teaching Assistant

Williams CS136: Data Structures and Advanced Programming

Fall 2012

EMPLOYMENT

Research Intern

Adobe Inc.

Remote
Summer, 2020

Research Intern

Facebook AI Research

Menlo Park, CA
Summer, 2019

Graduate Research Assistant

Brown University

Providence, RI
2017 – Present

Cofounder

Unnamed Startup

Hangzhou, China
2016 – 2017**Cofounder, Chief Operating Officer**

Stoooges Education

Hangzhou, China
2013 – 2014**AWARDS &
HONORS**

Adobe Research Fellowship

2020

Brown Graduate Fellowship

2017

SERVICE**Conference Reviewer**

NeurIPS: 2019 (400 highest scoring reviewers), 2020, 2021

ICML: 2020, 2021

ICLR: 2021 (Outstanding reviewer)

SIGGRAPH: 2021

SIGGRAPH Asia: 2020, 2021

Journal Reviewer

ACM TOG: 2021

IEEE TVCG: 2018, 2019