Johanna Karras

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EDUCATION

University of Washington, PhD Computer Science   2021 - present
Advised by Ira Kemelmacher-Shlizerman, Steve Seitz, and Brian Curless

California Institute of Technology, B.S. Computer Science   2017 - 2021
Undergraduate Research, Teaching Assistanc, GPA 3.8/4.0

RESEARCH

Fashion-VDM: Video Diffusion Model for Virtual Try-On, *Johanna Karras, Yingwei Li,
Nan Liu, Luyang Zhu, Innfarn Yoo, Andreas Lugmayr, Chris Lee, Ira Kemelmacher-Shlizerman*
SIGGRAPH Asia 2024

Perturb-and-Revise: Flexible 3D Editing with Generative Trajectories, *Susung Hong,
Johanna Karras, Ricardo Martin-Brualla, and Ira Kemelmacher-Shlizerman*
arxiv preprint 2024

DreamPose: Fashion Image-to-Video Synthesis via Stable Diffusion, *Johanna Karras,
Aleksander Holynski, Ting-Chun Ira Kemelmacher-Shlizerman*
ICCV 2023

Deep Neural Networks for Black Hole Imaging *Johanna Karras, He Sun, Katie Bouman*
Extended Abstract, WiCV, CVPR 2021

EXPERIENCE

Google Research, *PhD Student Researcher*   June, 2024 - present
Google Research, *PhD Student Researcher*   June, 2023 - May, 2024
Streetscope Inc., *Software Engineering Intern*   April - September, 2021
J.P. Morgan and Chase, *Software Engineering Intern*   June - August, 2019
Microsoft, *Software Engineering Intern*   June – September, 2018

AWARDS & RECOGNITIONS

- UW Reality Lab – Amazon Fellowship, 2022
- Google CSRMP (Computer Science Research Mentorship Program), 2021
- NCWIT Collegiate Award Finalist (National Center for Women in Computing), 2020
- Caltech Amasa Bishop Travel Grant, 2020
- Caltech Summer Undergraduate Research Fellowship, 2020

MISCELLANEOUS

- **Reviewer:** SIGGRAPH, SIGGRAPH ASIA
- **Teaching Assistant:** UW: CSE 160 Data Programming, Caltech: CS 4 Fundamentals of Computer Programming, CS 2 Introduction to Programming Methods, CS 1 Introduction to Computer Programming
- **Outreach:** UW K-12 CS Outreach Program, UW CSENext Mentorship Program