

Zeqi Gu | Curriculum Vitae

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Education

- **Cornell Tech, Cornell University**

New York, NY

Ph.D. candidate in Computer Science

2021 – Present

Directions: Computer Vision, Computer Graphics, Machine Learning

Co-Advisors: Prof. Abe Davis, Prof. Ramin Zabih

- **Cornell University**

Ithaca, NY

Bachelor of Science (Magna Cum Laude)

2016 – 2020

Majors: Computer Science, Mathematics

Advisor: Prof. Serge Belongie

Publications

- **Zeqi Gu**, Wenqi Xian, Noah Snaveley, Abe Davis, *FactorMatte: Redefining Video Matting for Re-Composition Tasks*, In Submission.
- Jan Ondras, Di Ni, Xi Deng, **Zeqi Gu**, Henry Zheng, *Robotic Dough Shaping*, ICCAS 2022(Oral).
- **Zeqi Gu***, Horace He*, Qian Huang*, Isay Katsman*, Serge Belongie, Ser-Nam Lim, *Enhancing Adversarial Example Transferability with an Intermediate Level Attack*, ICCV 2019. (* Equal contribution)

Work Experience

- **Creative Text Agent**

Research Intern @ Adobe Research

San Jose, CA

Mentor: Zhaowen Wang

May – Nov 2019

Built a recommendation system that provides potentially favorable choices for posters designers using Adobe software like Photoshop. The system takes the user's design history as inputs and visualizes the previews of its recommended designs for the next step on the sidebars of the interface.

- **Fashionpedia Dataset**

SDE @ Cornell Graphics and Vision Group

Ithaca, NY

Mentor: Prof. Serge Belongie

Sep 2019 – Feb 2020

Led the team designing and building the dataset annotation tool for the currently largest and most fine-grained ML fashion dataset. Paper published at ECCV 2020 Oral.

- **Leaning Physical Causality with Data Efficiency**

Research Assistant @ Stanford University

Palo Alto, CA (remote)

Mentor: Prof. Jiajun Wu

June – Nov 2020

Used reinforcement active learning to enable a robot to conduct physics experiments to learn the underlying Granger causal graph and numerical relations between attributes such as weight, shape, friction, etc.

- **Self-Driving Vehicle Map Generation**

Software Engineer Intern @ Uber

Pittsburgh, PA

May – Aug 2018

In the self-driving vehicle departments, designed and implemented an A/B testing pipeline and related visualization tools for automatic map generation.

Services

- **Technical Paper Reviewer**

- CVPR Workshop on Computer Vision for AR/VR 2022
- AAAI Conference on Artificial Intelligence 2022

- **Teaching Assistant**

- CS 6670: Graduate Level Computer Vision Fall 2021
- CS 4670: Introduction to Computer Vision Spring 2022