

YILING QIAO

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EDUCATION

University of Maryland, College Park

Ph.D student in Computer Science

Aug 2019 - present

Academic Advisor: Prof. Ming C. Lin

University of Chinese Academy of Sciences

B.E. Computer Science and Technology

Sep 2015 - Jul 2019

Academic Advisor: Prof. Xilin Chen

B.S. Mathematics and Applied Mathematics (Double Major)

University of California, Los Angeles

Special student, Cross-disciplinary Scholars in Science and Technology (CSST)

Jul 2018 - Sep 2018

Carnegie Mellon University

Visiting student, School of Computer Science

Jan 2018 - May 2018

RESEARCH

Differentiable Fluids with Solid Coupling for Learning and Control

AAAI 2021

*Tetsuya Takahashi, Junbang Liang, **Yi-Ling Qiao**, Ming Lin*

Scalable differentiable physics for learning and control

ICML 2020

***Yi-Ling Qiao**, Junbang Liang, Vladlen Koltun, Ming Lin*

Synthesizing Mesh Deformation Sequences with Bidirectional LSTM

TVCG 2020

***Yi-Ling Qiao**, Lin Gao, Shu-Zhi Liu, Ligang Liu, Yu-Kun Lai, Xilin Chen*

Learning on 3D Meshes with Laplacian Encoding and Pooling

TVCG 2020

***Yi-Ling Qiao**, Lin Gao, Jie Yang, Yu-Kun Lai, Xilin Chen*

Uncertainty quantification for semi-supervised multilabel classification in image processing and ego-motion analysis from body worn cameras (Oral Presentation)

Electronic Imaging 2019

***Yi-Ling Qiao**, Chang Shi, Chenjian Wang, Hao Li, Matthew Haberland, Andrew M. Stuart, Andrea Bertozzi*

Automatic Unpaired Shape Deformation Transfer

SIGGRAPH ASIA 2018

*Lin Gao, Jie Yang, **Yi-Ling Qiao**, Yu-Kun Lai, Paul L. Rosin, Weiwei Xu, Shihong Xia*

SF-Net: Learning Scene Flow from RGB-D Images with CNNs

BMVC 2018

***Yi-Ling Qiao**, Lin Gao, Yukun Lai, Fang-Lue Zhang, Ming-Ze Yuan, Shihong Xia*

EXPERIENCE

Graduate Technical Intern

Intelligent Systems Lab, Intel

May 2020 - present

Director: Vladlen Koltun

- Research on machine learning and physically-based simulation.
- Develop Open3D-ML <https://github.com/intel-isl/Open3D-ML>

Uncertainty Quantification for Graph-based Classification Problems

Mar 2018 - Sep 2018

Department of Mathematics, UCLA

Director: Andrea L. Bertozzi

- Study graph-based semisupervised problems with uncertainty quantification.

Machine Learning on Computer Graphics and Vision

Institute of Computing Technology, Chinese Academy of Sciences

Oct 2016 - Jul 2019

Director: Lin Gao

- Study geometry processing and computer vision.