Ziqi Wang | Curriculum Vitae

BC346, EPFL – 1015 Lausanne – Switzerland

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Research Interests

Computational Design of Interlocking Toys and Furniture.

Construction-aware Architecture Design.

Education

EPFL	**Lausanne**
PhD Candidate, Switzerland	*2017 - present*

Computer Graphics and Geometry Laboratory
School of Computer and Communication Sciences
Advisor: Prof.Dr.*Mark Pauly*

University of Science and Technology of China	**Hefei**
Bachelor, China	*2013 - 2017*

Information & Computational Science
Department of Mathematics

Publications

[1] **Ziqi Wang**, Peng Song, Florin Isvoranu, and Mark Pauly. Design and structural optimization of topological interlocking assemblies. *ACM Transactions on Graphics (SIGGRAPH Asia 2019)*, 38(6), 2019.

[2] **Ziqi Wang**, Peng Song, and Mark Pauly. DESIA: A general framework for designing interlocking assemblies. *ACM Transactions on Graphics (SIGGRAPH Asia 2018)*, 37(6), 2018. Article No. 191.

[3] **Ziqi Wang**, Jack Szu-Shen Chen, Jimin Joy, and Hsi-Yung Feng. Machined sharp edge restoration for triangle mesh workpiece models derived from grid-based machining simulation. *Computer-Aided Design and Applications*, 15(6):905–915, 2018.

[4] Peng Song, Bailin Deng, **Ziqi Wang**, Zhichao Dong, Wei Li, Chi-Wing Fu, and Ligang Liu. CofiFab: Coarse-to-fine fabrication of large 3d objects. *ACM Transactions on Graphics (SIGGRAPH 2016)*, 35(4), 2016. Article 45.

Professional experience

EPFL	**Lausanne**
Teaching Assitant, Switzerland	*Sep 2017 - present*

CS-341 Introduction to Computer Graphics (Spring 2019)
CS-446 Digital 3D Geometry Processing (Fall 2018, 2019)

University of Southern California   **Los Angeles**
Academic Visiting, USA   *2017 Spring*
Host: Prof.Dr.*Yong Chen*
Project for designing supports-free 3D FDM printer.

The University of British Columbia   **Vancouver**
Research Assistant, Canada   *2016 Summer*
Host: Prof.Dr.*Hsi-Yung Feng*
Worked on topics in CNC machining simulation.

Professional skills

Programming:: C/C++, Python

Software:: Rhino/Grasshopper

Language:: Chinese(native), English(fluent), Japanese(beginner)

Honors

2016: The Baogang Scholarship, top 5%

2015: USTC Outstanding Student Scholarship(Grade 1), top 10%