

Yichao ZHOU's Résumé

PERSONAL INFORMATION

Personal Website: <https://yichaozhou.com/>
Contact: zyc@berkeley.edu

EDUCATION

- **University of California, Berkeley, CA, USA** Aug. 2015 – Present
Ph.D. Program in Computer Sciences
- **Tsinghua University, Beijing, China** Sep. 2011 – June. 2015
Institute for Interdisciplinary Information Science (*Yao Class*)
Four-year Bachelor's Degree Program of Computer Science and Technology

WORKING EXPERIENCE

- **University of California, Berkeley, CA, USA** Aug. 2015 – Present
Research Assistant in Berkeley Artificial Intelligence Research Lab, advised by *Yi Ma*
Direction: 3D Vision, Computer Graphics, Machine Learning
- **Adobe Research, CA, USA** May. 2018 – Aug. 2018
Research Intern in Adobe Emerging Graphics Group, advised by *Qi Sun, Zhili Chen, and Li-Yi Wei*
- **Snapchat Inc., Research, CA, USA** Jun. 2017 – Nov. 2017
Research Intern in Computer Musical Composition, advised by *Wei Chu and Xin Chen*
- **Bellus 3D Inc., CA, USA** Jun. 2016 – Aug. 2016
Internship on 3D Face Modeling and Reconstruction, advised by *James Davis and Jin Liu*
- **Tsinghua University, Beijing, China** Dec. 2013 – June. 2015
RA in Machine Learning and Computational Biology Group. Advised by *Jiayang Zeng*
Direction: Artificial Intelligence, Bioinformatics, GPU Computing
- **Microsoft Research Asia, Beijing, China** Aug. 2013 – Nov. 2013
Research Intern in Natural Language Processing and Data Mining, advised by *Jianwen Zhang*

PUBLICATIONS

1. Jingwei Huang*, **Yichao Zhou***, Matthias Nießner, Jonathan Shewchuk, Leonidas Guibas. "Quadri-Flow: A Scalable and Robust Method for Quadrangulation". **Best Paper** of *SGP 2018*. * indicates equal contribution.
2. **Yichao Zhou**, Wei Chu, Sam Young, Xin Chen. "BandNet: A Neural Network-Based, Multi Instrument Beatles-Style MIDI Music Composition Machine". arXiv.org. 2017
3. **Yichao Zhou**, Bruce R. Donald, Jiayang Zeng. "Parallel Computational Protein Design". *Methods in Molecular Biology*. 2016.
4. **Yichao Zhou**, Yuexin Wu, Jiayang Zeng. "Computational Protein Design Using AND/OR Branch-and-Bound Search". *RECOMB 2015*. Warsaw, Portland. April 12–15, 2015.
5. **Yichao Zhou**, Jiayang Zeng. "Massively Parallel A* Search on a GPU". *AAAI 2015*. Austin, Texas. January 25–30, 2015. Selected as oral presentation (11.9% acceptance rate for orals).
6. **Yichao Zhou**, Wei Xu, Bruce R. Donald, Jiayang Zeng. "An Efficient Parallel Algorithm for Accelerating Computational Protein Design". *ISMB 2014*. July 2014. *Bioinformatics*. (5-Yr Impact Factor: 6.97). 2014.

PRIZES

- **Silver medal** in *International Olympiad in Informatics (IOI 2011)* Jul. 2011
- **Golden medal** in Chinese National Olympiad in Informatics (**NOI 2010**) Jul. 2010
- **Silver medal** in ACM-ICPC Contest, Beijing Region, with Fangrui Song and Shunhao Fan Nov. 2011
- **Champion** in Tsinghua Artificial Intelligence Design Contest Mar. 2012
- **Runner-up** in Tsinghua Software Engineering Contest (Teammate: Pufan He) May. 2012
- Outstanding Student Scholarship in Technology and Innovation in Tsinghua University Jun. 2012
- First-Class Freshman Scholarship in Tsinghua University Jun. 2012

SKILLS

Intermediate Knowledge: C/C++, Python, CUDA, OpenGL/GLSL, Deep Learning, Blender 3D, Linux

Basic Knowledge: \LaTeX , Bash, HTML, CSS, JavaScript