

# XIANZHI LI (李贤芝)

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Address: Rm903, SHB, The Chinese University of Hong Kong, Shatin, Hong Kong

## EDUCATION:

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- **The Chinese University of Hong Kong (CUHK)** 08/2016 - Present  
Ph.D. in Computer Science and Engineering Expected graduation date: 07/2020  
Advisor: Prof. Pheng-Ann Heng & Prof. Chi-Wing Fu
- **The Chinese University of Hong Kong (CUHK)** 08/2014 - 07/2015  
M. Sc. in Biomedical Engineering  
GPA: 3.84/4.0  
☆ Awarded the Dean's List for outstanding academic performance
- **Sichuan University, China** 08/2010 - 07/2014  
B. Eng. in Biomedical Engineering  
GPA: 3.69/4.0

## RESEARCH INTERESTS:

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3D Vision, Point Cloud Processing, Computer Graphics, and Deep Learning.

## AWARDS & HONORS:

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Certificate of Merit for Excellent Teaching Assistant awarded by CSE Department, CUHK	2018
Biomedical Engineering Scholarship, CUHK	2015
Outstanding Graduates Awards of Sichuan University	2014
National Scholarship (the <b>highest</b> scholarship for undergraduate students in China)	2013
Excellent Student of Sichuan University	2012

## PUBLICATIONS:

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### Conference Papers

- [C1] *PU-GAN: a Point Cloud Upsampling Adversarial Network*  
Ruihui Li, **Xianzhi Li**, Chi-Wing Fu, Daniel Cohen-Or, and Pheng-Ann Heng  
IEEE International Conference on Computer Vision (**ICCV**), 2019
- [C2] *Deep Floor Plan Recognition using a Multi-task Network with Room-boundary-Guided Attention*  
Zhiliang Zeng, **Xianzhi Li**, Chi-Wing Fu, and Ying-Kin Yu  
IEEE International Conference on Computer Vision (**ICCV**), 2019
- [C3] *Non-local Low-rank Normal Filtering for Mesh Denoising*  
**Xianzhi Li**, Lei Zhu, Chi-Wing Fu, and Pheng-Ann Heng

Computer Graphics Forum (**Pacific Graphics**), vol. 37, issue 7, pp. 155–166, 2018

[C4] *EC-Net: an Edge-aware Point set Consolidation Network*

Lequan Yu\*, **Xianzhi Li\***, Chi-Wing Fu, Daniel Cohen-Or, and Pheng-Ann Heng

European Conference on Computer Vision (**ECCV**), 2018

(\* **Joint First Author**)

[C5] *PU-Net: Point Cloud Upsampling Network*

Lequan Yu\*, **Xianzhi Li\***, Chi-Wing Fu, Daniel Cohen-Or, and Pheng-Ann Heng

IEEE Conference on Computer Vision and Pattern Recognition (**CVPR**), 2018

(\* **Joint First Author**)

## **Papers Under Review**

[1] *Unsupervised Detection of Distinctive Regions on 3D Shapes*

**Xianzhi Li**, Lequan Yu, Chi-Wing Fu, Daniel Cohen-Or, and Pheng-Ann Heng

ACM Transactions on Graphics (**TOG**)

## **PROFESSIONAL SKILLS:**

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**Languages:** Matlab & C/C++ & Python

**Toolkits:** OpenGL, TensorFlow

## **TEACHING:**

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CSCI 5210 Advanced Topics in Computer Graphics & Visualization (for Ph.D students)      Fall 2018

CSCI 3260 Principles of Computer Graphics      Spring 2016, Spring 2017, Spring 2018

CSCI2100 Data Structure      Fall 2016