Chengjie Niu

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RESEARCH INTERESTS

Computer Graphics, Computer Vision, Deep Learning

EDUCATION

02.2019 - Present   **National University of Defense Technology**, Changsha, China

Ph.D. Candidate, Computer Science and Technology

Supervisor: Prof. Yueshan Xiong and Kai Xu

09.2016 - 12.2018   **National University of Defense Technology**, Changsha, China

M.S., Computer Science and Technology

Supervisor: Prof. Yueshan Xiong and Kai Xu

09.2012 - 06.2016   **Shandong University**, Jinan, China

B.S., Computer Science and Technology

Supervisor: Prof. Chenglei Yang

Overall GPA: 90.03/100   Rank: 1/144

PUBLICATIONS

- Learning Part Generation and Assembly for Structure-aware Shape Synthesis

  Jun Li, **Chengjie Niu**, Kai Xu

  *Thirty-Fourth AAAI Conference on Artificial Intelligence (**AAAI 2020**)*

- Im2Struct: Recovering 3D Shape Structure from a Single RGB Image

  Chengjie Niu, Jun Li, Kai Xu

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

- Supporting Easy Physical-to-Virtual Creation of Mobile VR Maze

  Wei Gai, Chenglei Yang, Yulong Bian, Chia Shen, Xiangxu Meng, Lu Wang, Juan Liu, Mingda Dong, **Chengjie Niu**, Cheng Lin

  *ACM Conference on Human Factors in Computing Systems (**CHI 2017**)*

- UbiMaze: a new genre of virtual reality game based on mobile devices

  Wei Gai, Chenglei Yang, Yulong Bian, Mingda Dong, Juan Liu, Yifan Dong, **Chengjie Niu**, Cheng Lin, Xiangxu Meng, Chia Shen

  *International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct (**MobileHCI 2016 Demo**)*

- A stereo natural interaction game system

  Chenglei Yang, Huiyu Li, Wei Gai, Hongda Yu, Yijun Yang, Xiangxu Meng, Tingting Cui, Shuo Feng, Pu Huang, **Chengjie Niu**

  Patent of Invention: Patent No.2014105509319, 2015

SELECTED AWARDS

2016	Outstanding Graduate Award, Shandong Province (Top 1)
2015-2016	National Innovation Fund for Undergraduates
2013-2015	First Prize Scholarship, Shandong University (Awarded to Top 5% students)
2014	National Scholarship of China (Top 1)
2013	National Encouragement Scholarship of China