

YUPENG ZHANG

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INTERESTS **Human-Computer Interaction & Computer Graphics**
 Spatial interface for 3D Modeling and Animation, AR/VR in 3D modeling system.

SEDUCATION **M.Sc. in Computer Science, University of Toronto** 09/2014 – 07/2016
 Supervised by *Dr. Daniel J. Wigdor* and *Dr. Karan Sher Singh*
 Course Grade Average: A+

B.E. in Computer Science, University of Science and Technology of China 09/2009 – 06/2013
 GPA: 3.64/4.3 (Rank 12th of 103)
 Outstanding Graduate Student
 Enrolled in “Talent Program in Computer and Information Science and Technology”

EXPERIENCE **Human Computer Interaction Group, Microsoft Research Asia** 07/2012 – 05/2013
 Research Intern, Supervised by *Dr. Xiang Cao*
 Honored in Microsoft Research Asia “*Star of Tomorrow Internship Program*” (aka. good intern)

- Creating Freeform 3D Avatars using First-Person Body gestures [[pub](#), [video](#)]

PUBLICATIONS *Yupeng Zhang*, Teng Han, Zhimin Ren, Nobuyuki Umetani, Xin Tong, Yang Liu, Takaashi Shiratori, Xiang Cao.
BodyAvatar: Creating Freeform 3D Avatars using First-Person Body Gestures
Proceedings of the 26th Annual ACM Symposium on User Interface Software and Technology, (UIST'13),
 Page 387

PROJECTS Ad Hoc Mimicry Enabled Online Character Control [[video](#), password: mc2016, [github](#)]
 Tangible-Holographic Sketch [[video](#), password: ths2016, [github](#)]
 C++ template library: ‘tree_plusplus’ [[github](#)], ‘HLSL_Math’ [[github](#)]
 Windows Store Universal App: ‘LightNovel’ [[windows store](#), [github](#)]

TECHNICAL SKILLS **Programming Languages**
 Expert in C/C++; Adept in C#; Ok with Matlab, python, SQL, JavaScript, Pascal, assembly

Platform, framework, hardware
 Win32, Windows Universal/WPF, Unity 3D, Web
 DirectX/HLSL, OpenGL/GLSL; C++ AMP/cuda
 Kinect, Oculus Rift, Leap Motion, Vicon ...

HONORS & AWARDS

- Wolfond Scholarship, University of Toronto, 2014
- China Computer Federation “The CCF Undergraduate Award” in 2012
- “Global Digital” Scholarship, 2012; USTC Outstanding Student Scholarship, 2009-2011