Tianxin YU

Add: 31#629, Tsinghua Univ., Beijing, 100084, China
Tel: +86 18612450048, E-mail: tianxinyu27@126.com

EDUCATION		
	Tsinghua University (THU)	*2013-Present*
	M.A. in Product Design Research, Department of Industrial Design (10%)	
	Peking University (PKU)	*2009-2014*
	B.A. in Art Studies, School of Arts (15%)	*2011-2014*
	B.S. in Psychology, Department of Psychology	*2009-2013*

ACADEMIC RESEARCH

Lab of Motor Control & Virtual Reality, Department of Psychology, PKU *09/2013-Present*

Research Assistant, Advisor: Prof. Kunlin Wei, wei.kunlin@pku.edu.cn

Work on Multi-Joint Intelligent Prosthesis based on Biological Signals *(Part time)*

- Supported by National Science Foundation (NSF) of China: Built a sensory substitution system to help amputees regain force perception underneath their feet.
- Designed a psychological model for mapping sensation of plantar pressure to tactile feedback.
- Conducted studies on haptic illusions for applications in *Virtual Reality* and *Embedded Cognition*.

Studies on Illusions Elicited by an Array of Vibrotactile Stimulators *2013/01 – 2013/07*

- Bachelor Thesis (A): 4 experiments on vibrotactile perception, derived psychometric functions.

Lab of Health Psychology, Department of Psychology, PKU *09/2011-02/2013*

Studies on Possible Selves, Academic Burnout and Coping in Migrant Children

- Supported by National Education Department: Two longitudinal studies of the association between possible selves, proactive coping and academic burnout. (Independent project).
- Developed questionnaires, designed and conducted intervention programs and experiments.
- Built *Structural Equation Models* to interpret healthy learning behavior among school children.

INTERNSHIPS & PROJECTS

Human Computer Interaction Group, Microsoft Research Asia (MSRA), Beijing *2013-2014*

Full Time Research Intern, Advisor: Prof. Tan.Z.Hong, hongtan@purdue.edu

Haptic Rendering Algorithm and Tangible Interaction Design *07/2014-10/2014*

- Assisted projects in MSRA for user study and data analysis. *11/2013-03/2014*
- Applied psychophysical studies to support tangible interaction.
- Designed haptic rendering algorithm for electronic static device.
- Cooperated with engineers to design an eye-free Interaction Interface.

User Experience (UX) Research & Service Design Projects, THU *10/2013- present*

- **UX Evaluation Tool**: Designed and coded a user experience toolbox for Color Material and Finish (CMF) Lab in THU.
- **Service Design e-THU**: Applied service design methodologies to improve learning experiences, aimed at easing network congestion by increasing Intra-Net and Ipv6 utilization with interaction design.
- **StudyPal & TreeMe** *Independent work in progress:* Designing interactive learning tools, aiming towards providing emotional feedback to students through their online avatar.

HONORS

- Star of Tomorrow Internship Award, MSRA *2014*
- Award for Excellence in Research, PKU (<5%) *2013*
- Research Grant of National Foundation for College Students (highest level, 10000 RMB) *2012*
- Award for Excellence in Social Work, PKU (<5%) *2011*

SOCIAL WORK ON EDUCATION

Volunteer Teaching and Filed Studies *2010 – Present*

- Founder of *The BlueSky* volunteer teaching program for migrant students. Designed a curriculum including reading comprehension, mathematics and English, organized more than 50 times volunteer teaching.
- Leader of 3 summer volunteer teaching programmes and filed studies. Published book chapters about education in LuoDian, an ethnic community of Buyei in China.

Charitable Projects and Leadership *2009-2011*

- Executive Vice chair of PKU Loving Heart Society (1000+ members) *2011-2012*
- Leader of Love Heart Library projects *2009-2011*
  - In charge of the biggest university student society on public good in China, helping students from low-level socio-economic families to finish their K12 education. Raised over 300,000 RMB donations to build 37 libraries in Shandong Province and *AIDS Village* in Heibei Province.

SKILLS

- SPSS, Matlab, SoildWorks, Photoshop CS6, Illustrator; Familiar with python, CSS, HTML
- Languages: Mandarin *native*, English *TOEFL 105(R29 L27 S23 W26)*, German *Goethe-Institut B1*