

 <http://yutianxin.com>
 4123308441
 yutianxin27@gmail.com

Tianxin YU

UX RESEARCHER & DESIGNER

EDUCATION

Carnegie Mellon University

2016.8-2017.8

M.S. Human-Computer
Interaction Institute (GPA: 3.93)

Tsinghua University

2013.9-2016.6

M.A. in Product Design,
Department of Industrial Design

Peking University

2009.9-2014.6

B.S. in Psychology, School of
Psychological and Cognitive
Science

B.A. (double degree) in Art
Studies, School of Arts

RELEVANT COURSES

User-Centered Research
Interaction Design Studio
Product Design and Strategy
Service Design
e-Learning Design
Experiment Design
Practical Data Science
Applied Machine Learning

SKILL

Research

Cognitive Task Analysis
Human-Centered Research
Usability Test
Experiment Design
Data Mining

Design & Prototype

Sketch, Illustrator, Photoshop
Principle, InVision

Analysis

SPSS, MatLab, Python, Weka

AWARD

Star of Tomorrow Award

@ Microsoft Research Asia
for excellent performance in
HCI research

EXPERIENCE

Research Assistant | Lab of Motor Control & Virtual Reality, Peking University

2013-2016

- Worked on the interaction design of a multi-joint intelligent prosthesis based on biological signals.
- Designed a sensory substitution system which converted environment information into sensory signals to improve amputees' rehabilitation.
- Studied tactile and haptic illusions for potential applications in Virtual Reality and Embedded Cognition.

Intern | Human Computer Interaction Group, Microsoft Research Asia (MSRA)

2013-2014

- Designed tangible interface and haptic rendering algorithm for mobile devices, compared and evaluated different perception models.
- Assisted multiple projects in MSRA for user study and data analysis.
- Cooperated with engineers to implement eye-free interaction experience for mobile devices.

PROJECTS

UX Researcher | Renaissance Learning (CMU Capstone)

- Applied Human-centered research, learning sciences, and design methods to empower teachers to use students' data for decision making.

Product Designer | Motor Skill Training for Blind Children (Independent Work)

- Designed a product to improve the motor skill training experience and accessibility for blind children.
- Used smartphone sensor, auditory and haptic feedback to increase the effectiveness of motor skill training for blind children.
- Wrote design guidelines for tangible interaction with haptic / tactile feedback.

UX Researcher | Donating Behavior on Social Networking (CMU Project)

- Designed and conducted experiments on users' donating behavior on online knowledge communities and how it could be affected by social interactions.
- Wrote integration design guidelines for donation features on online communities.

Analyst and Developer | Data Mining on Student Campus Life (CMU Project)

- Used statistical and machine learning methods to uncover students' behavior patterns from large-scale datasets. Focused on lifestyles and stress coping.
- Used interactive data visualizations to communicate analysis results.

Service Designer | An Information Platform for Students (THU Project)

- Applied service design methodologies to improve learning experiences and encourage information sharing for college students at Tsinghua University.

SOCIAL WORK

Charitable Projects and Leadership

2009-2015

- Executive Vice chair of PKU Loving Heart Society, which is the first and biggest student volunteer organization in China.
- Leader of Love Heart Library projects. Built more than 30 libraries in China.
- Founder of LanTian (Blue Sky) volunteer teaching program for migrant students. Leader of several summer volunteer teaching programs and filed studies.