

Yilin Ying

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Portfolio: yilinying.me

Skills

Research:

Survey Design,
Contextual Inquiry,
Cognitive Task Analysis,
Usability Testing,
Experiment Design,
Data Mining

Design:

Sketching
Persona,
Storyboarding,
Journey Maps,
Prototyping,
Curricular Design

Technical:

Adobe InDesign,
Adobe Illustrator,
C++, Matlab,
Weka, HTML/CSS

Relevant Courses

E-Learning Principles |
Tools for Online Learning |
Learning Media Design |
Interaction Design |
Human Factor |
Experiment Design |
Education Goal, Instruction
& Assessment |
Cultural Anthropology |
Behavioral Economics |
Probability & Statistics |
Econometrics |
Applied Data Mining |
Mathematics Model
Data Structure |
Research Methodology for
Social Science

Education

Carnegie Mellon University, Human Computer Interaction Institute, GPA:3.81/4.0, Aug 2016 – Aug 2017
M.S. in Educational Technology and Applied Learning Science

Tsinghua University, China, GPA:91/100, Aug 2012 - Jul 2016
B.S. in Physics

Projects and Research

Capstone Project: Math Tutoring, Virginia Tech, Feb 2017- Now

- Working as the development lead in a team of 4 to help Virginia Tech create better learner experience for their maths tutor center using technology solutions.

Web Platform: Guidely, Carnegie Mellon University, Oct 2016-Dec 2016

- Worked in a team of 4 as UX designer and learning science researcher to design a web platform to systematically help teachers scaffold and track project-based-learning and guide students to document and reflect on their learning process.
- Conducted user research, synthesized the result into personas, storyboards and user journey map, then created 3 iterations of prototypes based on learning principles and conducted user testings.

Mobile App: Photo Jog, Carnegie Mellon University, Nov 2016-Dec 2016

- Worked in a team of 3 as UX researcher and designer to design a mobile app to help dementia elders jog their memory and help families have high quality conversation via audio photo album.
- Conducted interviews with dementia elders and care givers and created 2 personas and user journey maps, then created storyboards, built up wireframe, conducted user testing, created hi-fi prototypes.

Instruction Design: Theatre for you, Carnegie Mellon University, Sep 2016-Dec 2016

- Worked in a team of 3, designed an instructional plan of a theatre course for autistic learners to improve social skills.
- Did literature reviews on target learners and interviewed stakeholders, then aligned learning goals based on learner profile and common core standards, aligned assessment and instruction to learning goals, proposed 2 longitudinal research plan to test the effectiveness of the program.

Qualitative Research: “The Extensiveness of Undergraduate Education Systems”

Institute of Education, Tsinghua University, Jan 2016 - Jun 2016

- Built up a conceptual framework “Extensiveness of Education” for undergraduate education system.
- Interviewed 30+ undergraduate students on knowledge architecture, self-awareness and cultural field, made analysis and put forward policy suggestions to widen the extensiveness of undergraduate education in China.

Survey Research: “Patients’ Perceived Fairness toward Outpatient Registration”

Human Factor Institute, Tsinghua University, Mar 2015- Oct 2015

- Designed the research framework and 2 questionnaires, then gathered 700+ samples and did analysis using SPSS resulting in a paper on health policy to promote equity.

Experience

Teaching Assistant, “The History and Culture of University”

Tsinghua University, Sept 2015- Jan 2016

- Facilitated a freshmen discussion session, designed assignments, provided students with feedback on their work and collect their feedback on the course.

Initiator and Coordinator, “Share Your Major”

Shenzhen Middle School, Shenzhen, China, Aug 2014

- Aiming at promoting students' life passion exploration, initiated and organized this lecture series for 800+ high school students, invited 30+ alumni to high school for lectures, wrote proposals and hosted in all lecture series.

Project Assistant, eXtreme Learning Process, Toyhouse

Tsinghua University, China, July 2014

- Facilitated a 4-day eXtreme Learning Process (XLP) Maker Activity for 20+ middle school students, trained the students on the methodology and experiences of web-based cooperative work.

Team Associate Leader, Volunteer Teaching

Dangche Primary School, Qinghai, China, July 2013

- Co-led a team of 15 for volunteer teaching, designed a 2-week course syllabus for grade 3-5 students, taught Chinese, English and Physiology and after class activities.