

KEXIN YANG

Education

Carnegie Mellon University (CMU)

Pittsburgh, PA | Aug 2018-Aug 2019

M.S. Educational Technology and
Applied Learning Science,
Human-Computer Interaction Institute,
School of Computer Science

GPA: 4.07/4.33

Merit Scholarship Recipient

Beijing Normal University (BNU)

Beijing, China | Aug 2014-Jul 2018

B.A in English Language Literature

GPA: 3.87/4.0

Christopher Newport University (CNU)

Newport News, VA | Aug 2015-Jun
2016

Selected to study abroad

Major: English GPA: 3.7/4.0 *Dean's List*

Research

Automatic Feedback System for Students Writing

PI: Dr. Carolyn Rosé, Language Technology Institute, CMU

- In collaboration with Turnitin, developed flowchart, guidelines and an intelligent tutoring system for RST (using CTAT)
- Using Natural Language Processing (dependency parsing) and deep learning to automate the structural feedback process

Teacher Sourcing Hints for Intelligent Tutoring System

PI: Vincent Aleven, Human-Computer Interaction Institute, CMU

- Crowd-sourcing hints for Lynnette, an equation tutor to increase teachers' configurability in intelligent tutoring system

Role-play Platform for Eliciting Learner's Knowledge

PI: Justin Reich, MIT Open Learning

- Analyzing data from ELK platform that prepare teachers better elicit students' prior knowledge.

Negative Transfer of Mandarin to English Phonetics (BA thesis)

Advisor: Dr. Hui Yu, School of Foreign Language Literature, BNU

- Performed an observation study and analyzed 39 student' English phonetics data for transfer on segmental and suprasegmental phoneme level using PRAAT

Skills

Technical Skills

Python, R, Octave, HTML, CSS, JS,
SQL, Machine Learning,
Data Analysis and Visualization

Software Skills

Weka, LightSIDE, Tableau, D3, PR, CTAT
PRAAT

Certificate

Secondary Teacher Certificate (English)
CATTI (China Accreditation Test
for Translators and Interpreter)

UX Research & Design:

User-testing, Cognitive Task Analysis,
Contextual Inquiry, Cognitive Modeling

Language

English (Proficient) Chinese (Native)
French (Intermediate) German (Beginner)

Work Experience

Renaissance Learning

Data Analytic

Pittsburgh, PA

Jan. 2019- Aug.2019

- Data-mining of students' demographic and achievement data for building a dashboard to give administrators data-driven insights

Knovva Academy

Instructional Designer Intern

Beijing, China

Dec. 2017 - Mar. 2018

- Designed lesson to developed students' higher-order skills through literature reading Guns, Germs and Steel
- Initiated strategy of online activities to attract 76 potential students in the RLG reading literacy program

Foreign Language Teaching and Research Press

UX Design Intern

Beijing, China

Jul.2017- Oct. 2017

- Increased young audience by 32% through transferring periodicals from paper-media to digital media Wechat

Beijing 101 High School

English Teacher Intern

Beijing, China

Oct.2017- Dec. 2017

- Facilitated STEAM education for 120 students by organizing activities of physics/chemistry/psychological experiments, basketball games, chorus and drama performance

Publication

[1] Shiyan Jiang, **Kexin Yang**, Chandrakumari Suvarna, Pooja Casula, Mingtong Zhang and Carolyn Rose "Applying Rhetorical Structure Theory to Student Essays for Providing Automated Writing Feedback", NAACL workshop, Jun.2019