

KXYANG.COM

kexiny@cs.cmu.edu

412-478-8049

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

Skills

Technical Skills

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

Software Skills

Weka, LightSIDE, Tableau, D3, PR

Certificate

Secondary Teacher Certificate

(Subject: 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)

Courses

- Applied Machine Learning
- Interactive Data Science
- Fundamental CS & Programming
- Personalized Online Learning
- E-Learning Design Principle
- Educational Goals, Instruction Assessment

Research

Automatic Feedback System for Students Writing

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

- In collaboration with Turnitin, analyzed structure of students essays using Rhetorical Structure Theory
- Developed flowchart, guidelines and an intelligent tutoring system (using CTAT) for annotators to learn practical RST
- Using Natural Language Processing (dependency parsing) and deep learning to automate the structural feedback process

Teacher Sourcing Hints for Intelligent Tutoring System

Advisor: Dr. Vincent Aleven, Human-Computer Interaction Institute, CMU

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

Negative Transfer of Mandarin to English Phonetics (BA thesis)

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

- Performed an observation study and collected 39 sample student English pronunciation data in Songbai Middle School in Xiamen
- Using software Praat, analyzed phonetics data for transfer on segmental and suprasegmental phoneme level

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

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

Longre English Training Institute

GRE& TOEFL Teacher

Xiamen, China

May.2016- Aug. 2016

- Instructed 11 learners with GRE, who ended in top-tier schools including University of Pittsburgh and University of Melbourne