




XIAOXUAN WANG

UX Engineer

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 404.697.9199

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant Georgia Tech

Teaching assistant for CS6601 Artificial Intelligence. 2016

UX Engineer Intern Google

Design and prototype various product concepts for Google education. 2016

Graduate Research Assistant Georgia Tech

UX Design & Frontend Development 2016

Improve usability of material research community based on Hubzero; frontend development.

Backend Engineer Brandsfever

Web development 2013 - 2014

Develop supplier front office module for supplier to check up-to-date sales and shipment information; Implement in house product delivery system for order tracking.

Speech Technology Researcher NUS

Grapheme to phoneme conversion 2012 - 2013

Integrate Joint Multi-gram Model with Conditional Random Model to predict the phoneme sequence given letters.

Arabic Diacritization 2011 - 2012

Incorporate acoustic information to traditional pure text-based features for more robust diacritization.

Automatic Story Segmentation 2010 - 2011

Propose various approaches to automatically find the story boundary in broadcast news by adopting TextTiling approach, Publish several academic papers.

PROJECTS

Memory: iPad App for dementia caregiver

UX Designer & Researcher 2015

Conduct user research for caregivers of dementia patients; Design UI and implement high-fi prototype for iPad app

BuzzNow

Product Manager & Frontend Developer 2015

Lead the team and supervise project progress; participant in idealization and user case analysis; frontend development.

EDUCATION

MS. Human Computer Interaction

Georgia Institute of Technology
2015.08 - 2017.05 (Expected)

MS. Computer Science

Northwestern Polytechnical University (NWPU)
2008.09 - 2011.04

BS. Computer Science

Northwestern Polytechnical University (NWPU)
2004.09 - 2008.06

SKILLS

Programming

HTML, CSS, Javascript
Python, Django, Ruby on Rails
Java, Git, Shell

UX Design

Sketch, Photoshop, Illustrator
FramerJS, Principle, InVision

UX Research

Storyboarding, Usability Testing
Persona, Affinity Mapping
Contextual Inquiry, Competitive Analysis

SELECTED AWARDS

AT&T Hackathon 2015.09

Winning women team award

Interspeech Student Travel Grant


NWPU 2010.09


Exchange Student Scholarship


NTU 2009.06

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Publications

- [1] **Integrating Conditional Random Fields and Joint Multi-gram Model with Syllabic Features for Grapheme to Phone conversion**
Xiaoxuan Wang, Khe Chai Sim; 14th Annual Conference of the International Speech Communication Association (INTERSPEECH), 2013, Lyon, France
- [2] **Prosody-based Sentence Boundary Detection in Chinese Broadcast News**
Lei Xie, Chenglin Xu, Xiaoxuan Wang; 8th International Symposium on Chinese Spoken Language Processing (ISCSLP), 2012, Hong Kong, China
- [3] **Improving Mandarin Predictive Text Input by Augmenting Pinyin Initials with Speech and Tonal Information**
Guangsen Wang, Bo Li, Shilin Liu, Xuancong Wang, Xiaoxuan Wang, Khe Chai Sim; 14th ACM International Conference on Multi-modal Interaction (ICMI), 2012, Santa Monica, California
- [4] **A Weighted Combination of Speech with Text-based Models for Arabic Diacritization**
Aisha S. Azim, Xiaoxuan Wang, Khe Chai Sim; 13th Annual Conference of the International Speech Communication Association (INTERSPEECH), 2012, Portland, Oregon
- [5] **Modeling Broadcast News Prosody Using Conditional Random Fields and Multi-Model Features**
Xiaoxuan Wang, Lei Xie, Bin Ma, Eng Siong Chng, Haizhou Li; Transaction on Information and Systems E95-D (May 2012). IEICE, 2012
- [6] **Automatic Caption Generator for Mandarin Broadcast News**
Lilei Zheng, Lei Xie, Mimi Lu, Xiaoxuan Wang, Yulian Yang, Yanning Zhang; Chinese Journal of Electronics (2011). 2011
- [7] **Modeling Broadcast News Prosody Using Conditional Random Fields for Story Segmentation**
Xiaoxuan Wang, Lei Xie, Bin Ma, Eng Siong Chng, Haizhou Li; Asia Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA), 2010, Singapore, Singapore
- [8] **Phoneme Lattice based Text Tiling towards Multilingual Story Segmentation**
Xiaoxuan Wang, Lei Xie, Bin Ma, Eng Siong Chng, Haizhou Li; 11th Annual Conference of the International Speech Communication Association (INTERSPEECH), 2010, Makuhari, Japan