Zeqiu (Ellen) Wu

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Education

University of Washington

PhD in Electrical Engineering (*Advisors***: Mari Ostendorf & Hannaneh Hajishirzi)**   **2018 - Present**

University of Illinois at Urbana-Champaign

Master of Science in Computer Science (*Advisor***: Jiawei Han)**   **2016 - 2018**
CGPA 3.93/4.0

Bachelor of Science in Electrical Engineering   **2010 – 2014**
Minors in Computer Science, Math and Business
CGPA 3.93/4.00, Highest Honor Graduate, James Scholar, Dean's list 2010-2013

Awards

University of Washington Top Scholar Recruitment Fellowship, 2018
SIGIR Student Travel Grant, 2017
Brian & Sophie Leung Scholarship, 2014
Professor N. Narayana Rao Scholarship, 2013

Publications

HiExpan: Task-Guided Taxonomy Construction by Hierarchical Tree Expansion
J. Shen, Z. Wu, D. Lei, C. Zhang, X. Ren, M. T. Vanni, B. M. Sadler and J. Han. **KDD, 2018.**

Indirect Supervision for Relation Extraction Using Question-Answer Pairs
Z. Wu, X. Ren, F. F. Xu, J. Li, J. Han. **WSDM, 2018.**

SetExpan: Corpus-Based Set Expansion via Context Feature Selection and Rank Ensemble
J. Shen*, Z. Wu*, D. Lei, J. Shang, X. Ren, J. Han. **ECML-PKDD, 2017**.

CoType: Joint Extraction of Typed Entities and Relations with Knowledge Bases
X. Ren, Z. Wu, W. He, M. Qu, C. R. Voss, H. Ji, T. F. Abdelzaher, J. Han. **WWW, 2017**.

Life-iNet: A Structured Network-Based Knowledge Exploration and Analytics System for Life Sciences
X. Ren, J. Shen, M. Qu, X. Wang, Z. Wu, Q. Zhu, M. Jiang, F. Tao, S. Sinha, D. Liem, P. Ping, R. Weinshilboum, J. Han. (system demo) **ACL, 2017.**

Improving Question Answering Sentence Ranking by Rank Propagation
H. Ng, X. Wang, X. Zhang, Z. Wu. **KBCOM Workshop at WSDM, 2018.**

Research Experience

UW NLP Research Group (*Advisors*: **Mari Ostendorf & Hannaneh Hajishirzi**)   **Fall 2018 – Present**
- Worked on projects that help enrich information of automatic responses in dialogue systems, by incorporating contextual and external knowledge

UIUC Data Mining Research Group (*Advisor***: Jiawei Han)**   **Fall 2016 – Spring 2018**
- Improved distantly supervised information extraction (detection/classification of entities and relation triples in unstructured text corpora), which replaces human annotation with linking to knowledge bases, by developing noise-robust systems that extracts entities and relations
- Worked on projects that construct faceted taxonomy from any given text corpus in scientific domains

UIUC MRI Lab (*Advisor***: Zhi-Pei Liang)**   **Spring - Summer 2012**
- Applied signal processing techniques to optimize real-time cardiac image reconstruction and de-noise dynamic MRI

UIUC Industrial Engineering Department (*Advisor***: Liming Feng)**   **Spring 2012**
- Applied Gil-Pelaez and Hilbert models to achieve fast simulations of various financial statistical distributions

Teaching Experience

Teaching Assistant, UIUC (CS 412: Data Mining)   **Fall 2016**

Industry Experience

Business/Technology Strategist, GrapeTech   **2016 - 2018**
- GrapeTech is a startup in Shanghai, providing a platform HackX to promote technology innovation.
- Helped organizing Hackathon events, building business connections and launching the website for HackX

Software Engineer, IXL Learning (*Team***: Product Engineering)**   **2015 – 2016**
- Maintained and developed IXL web education application and data analysis reporting systems

Software Engineer, Goldman Sachs (*Team***: Fixed Income Products)**   **Summer 2013 & 2014 - 2015**
- Built a market data monitoring system to inform high frequency traders of data trustworthiness
- Developed the next-gen, scalable fixed-income trading applications for daily trading, clearing and reporting

Software Engineer Intern, Altera Corporation (*Team***: FPGA Compiler)**   **Fall 2012**
- Worked on FPGA synthesis optimization and language extraction

Services

Visitor Coordinator, Data Mining Research Group	**2017 - 2018**
Alumni Chair, Women in Electrical and Computer Engineering	**2011- 2012**
Member, UIUC Silicon Valley Workshop	**2012**
Member, Phi Eta Sigma Honor Society	**2010 – 2014**