

# Hongmin Li

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## CONTACT INFORMATION

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Hayward, CA, 94542 *Email:* hongmin.li@csueastbay.edu

## EDUCATION

**Kansas State University**, Manhattan, Kansas, USA

Ph.D., Computer Science, Dec 2020

- Dissertation Topic: “Domain adaptation approaches for classifying social media crisis data”
- Advisor: Dr.Doina Caragea

**Nanjing University of Posts & Telecommunications**, Nanjing, Jiangsu, China

M.A., Management Science & Engineering, Apr 2010

**Nanjing University of Posts & Telecommunications**, Nanjing, Jiangsu, China

B.A., Electronic Commerce, Jul 2007

## WORK AND ACADEMIC EXPERIENCE

### **Assisant Professor**

Aug 2021 - present

*Department of Computer Science, California State University, East Bay*

- Project: Machine Learning/Deep Learning with emergency management; Domain Adaptation Approaches for Classifying Crisis Related Data on Social Media.

### **NLP Engineer**

Mar 2021 - Jul 2021

*HRI team, UBTech Robotics, Pasadena, CA*

- Project: Chinese dialog system. Worked on Natural Language Understand tasks (intent classifications and slot filling) for Chinese using tools from Spacy, Rasa, to BERT multi-task model; Developed the prototype of Chinese dialog system based on the English one.

### **Graduate Research Assistant**

Jan, 2018 - Dec 2020

*Department of Computer Science, Kansas State University*

- Project: Domain adaptation approaches for social media data analysis; Machine Learning in Detecting Malicious Android Apps & Side-channel Analysis.

### **Graduate Teaching Assistant**

Sep, 2014 - Dec 2017

*Department of Computer Science, Kansas State University*

Teaching assistant for both undergraduate and graduate courses including:

- Courses: Analysis of Algorithms, Software Engineering, Formal Language Theory, Computer and Information Security, Advanced Software Analysis and Design.

### **Web Developer**

Nov 2013 - Jul 2014

*Hale Library, Kansas State University*

- Project: Website prototype for a dynamic curricular project New Literature Alliance; Skills involved: PHP, MySQL, LTI protocol, Softchalk Cloud where the courses were stored on.

### **Software Engineer**

Apr 2010 - Mar 2013

*Information Center, China Post, Zhengzhou*

- Project: Worked on ASP.NET web applications with SQL Server to support business departments; Duties included a year rotation in several business departments.

**Graduate Research Assistant**

Aug, 2007 - Apr 2010

*Nanjing University of Posts & Telecommunications, Nanjing, Jiangsu, China*

- Project: Emergency management platform for Jiangsu province.

**Instructor**

Sep, 2008 - Dec 2008

*College of Continued Education, Nanjing University of Aeronautics and Astronautics, China*

- Taught *Introduction to E-Commerce* for one semester

## TEACHING

CS 311: Programming Language Concepts  
 CS 413: Analysis of Algorithms  
 CS 497: Introduction to Deep Learning  
 CS 611: Theory of Computation

UNIVERSITY  
SERVICES

Chair, CS Department Outreach Committee (Fall 2022)  
 Member, CSCI College Data Science Task Force (Fall 2022-2023)  
 Member, CS Department Undergraduate Committee (2021-2022 academic year)  
 Member, CSCI College Scholarships and Awards Committee (2021-2022 academic year)  
 Member, University Faculty Diversity Contributor (Summer 2022)

## GRANTS

A2E2 funds 2021 and 2022 for setting up Deep Learning Lab and teaching Deep Learning

PROFESSIONAL  
ACTIVITIES

Reviewer for IJISCRAM journal (2018)  
 Reviewer for 2020 ISCRAM conference  
 Reviewer for 2021 ISCRAM conference  
 Social media track program committee for 2021 ISCRAM conference  
 Reviewer for 2022 ISCRAM conferences  
 Reviewer for IEEE Access (2021/2022)

## PUBLICATIONS

Huang, M., Liu, M., **Li, H.**, King, J., Smuts, A., Budowle, B., & Ge, J (2022). A machine learning approach for missing persons cases with high genotyping errors. *Frontiers in Genetics*, 13, 2821. <https://doi.org/10.3389/fgene.2022.971242>.

**Li, H.**, Caragea, D., Caragea, C.(2021). Combining Self-training with Deep Learning for Disaster Tweet Classification. In *Proceedings of the 18th International Conference on Information Systems for Crisis Response and Management (ISCRAM2021)*, Blacksburg, VA, USA.

Mazloom, R., **Li, H.**, Caragea, D., Caragea, C., & Imran, M. (2019). A Hybrid Domain Adaptation Approach for Identifying Crisis-Relevant Tweets. *International Journal of Information Systems for Crisis Response and Management (IJISCRAM)*, 11(2), 1-19.

Yang, B., Gao, Y., **Li, H.**, Ye, S., He, H., & Xie, S. (2019). Rapid prediction of yellow tea free amino acids with hyperspectral images. *PloS one*, 14(2), e0210084.

**Li, H.**, Sopova, O., Caragea, D., & Caragea, C. (2018). Domain Adaptation for Crisis Data Using Correlation Alignment and Self-Training. *International Journal of Information Systems for Crisis Response and Management (IJISCRAM)*, 10(4), 1-20.

**Li, H.**, Caragea, D., Li, X., & Caragea, C. (2018). Comparison of Word Embeddings and Sentence Encodings as Generalized Representations for Crisis Tweet Classification Tasks. en. In: *Proceedings of the ISCRAM Asian Pacific 2018 Conference – Wellington, New Zealand, November 2018*.

Mazloom, R., **Li, H.**, Caragea, D., Imran, M., & Caragea, C. (2018). Classification of Twitter Disaster Data Using a Hybrid Feature-Instance Adaptation Approach. In: *Proc. of the 15th*

Int. Conference on Information Systems for Crisis Response and Management (ISCRAM 2018), Rochester, NY, 2018.

**Li H.**, Caragea, D., & Caragea, C. (2017). Towards Practical Usage of a Domain Adaptation Algorithm in the First Hours of a Disaster. In: Proceedings of the 14th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2017), France.

**Li H.**, Caragea D., Caragea C., Herndon N.(2017). Disaster response aided by tweet classification with a domain adaptation approach. *Journal Contingencies and Crisis Management*. 2017;00:1-12.

**Li H.**, Guevara, N., Herndon, N., Caragea, D., Neppalli, K., Caragea, C., Squicciarini, A., & Tapia, A. (2015). Twitter Mining for Disaster Response: A Domain Adaptation Approach. In Proceedings of the 12th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2015), Kristiansand, Norway.

Roy S., DeLoach J., Li Y., Herndon N., Caragea D., Ou X., Ranganath V., **Li H.**, & Guevara N.(2015). Experimental study with real-world data for Android app security analysis using machine learning. 31st Annual Computer Security Applications Conference (ACSAC15), Los Angeles, California, USA.

Liu H., **Li H.**, & Vasserman E.(2015). Practicality of using side-channel analysis for software integrity checking of embedded systems. In Proceedings of the EAI International Conference on Security and Privacy in Communication Networks (SecureComm).