

Hongmin Li

CONTACT INFORMATION

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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

- Research interests: Machine learning/deep learning for emergency management; Machine learning and 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

- Projects: 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.

TEACHING AND TRAINING

CS 311: Programming Language Concepts (Fall 2021, Fall 2022, Spring 2023)
CS 413: Analysis of Algorithms (Fall 2021 - Fall 2024, Fall 2025 - Fall 2026)
CS 468: Introduction to Natural Language Processing with Deep Learning (Sp 2025 and 2026)
CS 490: Independent Study (Fall 2024)
CS 497: Introduction to Deep Learning (Spring 2022, Fall 2022)
CS 601: Advanced Algorithms (Fall 2023, Spring 2024 - Fall 2026)
CS 611: Theory of Computation (Fall 2021 -Spring 2022, Spring 2023 - Fall 2026)
CS 690: Independent Study (Fall 2023)
CS 692: Capstone Exam (Spring 2024 - Spring 2025)
CS 693: Capstone Project (Spring 2023, Fall 2024, Spring - Fall 2026)

Training

- College of Science (CSCI) SPARK (Supporting Students and Professors in Advancing Research and Knowledge) program: workshop on June 24 - 26, 2025 and meetings during Fall 2025
- NRMN Courses: Advancing Inclusive Mentoring (AIM), online June 2025
- CAHSI Affinity Research Group (ARG) course: Creating and Maintaining Effective Research Teams, Spring 2025
- College of Science DEI Conversation Series, Spring 2024
- CSCI College Transforming STEM Teaching Faculty, Spring 2023 - Fall 2023
- ACUE Microcredential Courses - Promoting Active Online Learning, March - May, 2022

GRANTS AND AWARDS

Award:

- Outstanding Faculty Mentor of CSU East Bay, 2024-2025

Grants

- CAHSI-Google IRP program Grant. Cornelia Caragea (PI, UIC), Hongmin Li (Co-PI, CSUEB). Awards total amount: \$80,000 with \$10,000 Google Cloud credits, Sep 2025 - Sep 2026
- CSU East Bay RSCA Mini Grant 2025-2026, awards amount: \$2,000, Fall2025 - Spring2026
- CSUEB OSCAR Student Scholars, \$1,000 for each of the three students, Fall2025 - Spring2026
- CSUEB A2E2 funds for Fall2025 - Spring2026
- Teach Access Grants, from: Teach Access, \$2,000, Fall2024 - Spring2025
- CSUEB A2E2 funds for Fall2024 - Spring2025
- CSUEB OSCAR Student Scholars, \$1,000 for each of the three students, Fall2024 - Spring2025
- Collaborative Research Awards, CSUEB CSCI College, about \$2,115, Fall2023 - Spring2024
- CSUEB A2E2 funds 2021 and 2022 for setting up Deep Learning Lab and teaching Deep Learning

Submitted Proposal

- Submitted a proposal to CSU LIFT Grant 2026-2027 as Co-PI, May 2026

PROFESSIONAL DEVELOPMENTS

Invited Talks

- *Introduction to AI Ethics*, CSUEB International ICT Internship Program for Global Informatics students of Chuo University, Feb 18, 2026.
- *Introduction to AI Coding tools*. CSUEB Women in Leadership Demo Lab, Feb 19, 2026.
- *Introduction to AI for Accessibility*. Disability Justice Week Lightning Presentations, CSU East Bay, March 20, 2025
- *AI for Accessibility*. CSU East Bay Women in Leadership Forum Ideathon, Feb 2024
- *Social Media Data Analysis for Disaster Management with Machine Learning*. Guest lecture for Dr. Jeanette Cobian-Iniguez's Data Science course, UC Merced, April 2, 2024
- *Automatically Classify Disaster Related Tweets*. Social Media for Disaster Risk Management: Researchers Meet Practitioners Workshop, June 7-8 2022,
- *Introduction to Deep Learning*. Machine Learning for forensic identification Webinar at Center for Human Identification. University of North Texas Health Science Center, April 1, 2022.

Conference Presentations

- *A Study of Large Language Model Performance for Phishing URL Detection and Explainability for User-Centric Security*, 2026 Silicon Valley Cybersecurity Conference (SVCC2026), June 10-June 12, 2026 San Jose, CA, USA.
- *LLM-guided Semi-Supervised Approaches for Social Media Crisis Data Classification*. ISCRAM 2026 Conference, May 31-Jun 3, 2026, The Hague, Netherlands.
- *Multimodal Disaster-related Tweet Classification with Parameter-Efficient Fine-Tuning of Large Language Models*. ASONAM 2025 Conference, August 25-28, 2025, Niagara Falls, ON, Canada
- *Promoting Sign Language Awareness: A Deep Learning Web Application for Sign Language Recognition*. The 8th International Conference of Deep Learning Technologies (ICDLT'24), July 15-17, Suzhou, China

- *Identifying COVID-19 Tweets Relevant to Low-Income Households Using Semi-supervised BERT and Zero-shot ChatGPT Models.* ISCRAM 2023 conference, Omaha, NE, USA, May 28 – May 31, 2023
- *Combining Self-training with Deep Learning for Disaster Tweet Classification.* ISCRAM 2021 conference, online, hosted by Virginia Tech in Blacksburg, VA, May 23-26, 2021.

Workshops and Conferences

- Participant, AI Community of Practice (CoP), Fall 2025 - Fall 2026
- Cal-Bridge FAST Program Planning Workshop, CSU East Bay Braddock Center, Oct 24, 2025
- Two CAHSI workshops on Integrating Generative AI and Cybersecurity into Curriculum, at GMIS conference, Oct 1-4, 2025, San Diego
- CAHSI AI Ideation, three Pre-Ideation sessions training through Fall 2025 and Ideation workshop on Oct 2, 2025 at San Diego
- Weights & Bias Fully Connected Summit 2025, June 17-18, 2025, San Francisco
- AI Engineer World Fair 2025, Jun 3 - 5, 2025, San Francisco
- Fifth Annual Computer Science Conference for CSU Undergraduates (CSCSU 2025), virtually held, April 2025
- NVIDIA GTC, Exhibits Day, March 21, 2025, San Jose
- STEM-NET Webcast: NSF Supported Computer and Data Science Research in the CSU, Jan 27, 2023
- California Alliance for Data Science Education - CSU wide workshop, April 15, 2022

UNIVERSITY SERVICES

Chair, CS Department Outreach Committee (Fall 2025 - Fall 2026)
 Cal-Bridge Mentor starting Fall 2026
 Member, CS Department Undergraduate Committee (Fall 2025 - Spring 2026)
 Member, Subcommittee on Global Education (SGE) under Academic Senator Committee on Curriculum & Instruction (CIC), (starting Fall 2025)
 Member, CSCI Safety Committee (starting Fall 2025)
 Academic Senator (Fall 2023 - Spring 2025 two years term)
 Mentor, CSU East Bay HackHayward Hackthon, Mar 1, 2025
 Member, CS Department Tenure Track Faculty Search Committee (Fall 2024 - Spring 2025)
 Chair, CS Department Outreach Committee (Fall 2024 - Spring 2025, Fall 2022 - Spring 2023)
 Member, CS Department Outreach Committee (2023-2024)
 Member, CS Department Undergraduate Committee (Fall 2023 - Spring 2024, Fall 2021 - Spring 2022)
 Women in Leadership Forum 2024 Ideathon co-coordinator
 Member, CSCI College Data Science Task Force (Fall 2022 - Spring 2023)
 Member, CSCI College Scholarships and Awards Committee (Fall 2021 - Spring 2022)
 Member, University Faculty Diversity Contributor (Summer 2022)

PROFESSIONAL ACTIVITIES

Corresponding Track Chair , Social sensing and social media track of ISCRAM 2027 conference
 Corresponding Track Chair, Social media and crisis communication track of ISCRAM 2026 conference
 Track Chair, Social media track of 2025 ISCRAM conference
 Track Chair, Social media track of 2024 ISCRAM conference
 Served NSF on a review panel in Fall 2024
 Served NSF on a review panel in Spring 2024
 Program committee for Computer Science Conference for CSU Undergraduates (CSCSU 2026)
 Program committee and Session 1 Host for the Computer Science Conference for CSU Undergraduates (CSCSU 2025)
 Reviewer for ACL (Sep 2025)
 Reviwer for Natural Language Processing (Journal, Cambridge University Press) (Sep 2025)
 Program committee and Reviewer for 2020-2023 ISCRAM conferences

Reviewer for Scientific Reports Journal
 Program committee and Reviewer for 2023 EACL Student Research Workshop
 Reviewer for Journal of Business Analytics
 Reviewer for IEEE Access (2021/2022/2023)
 Reviewer for IJISCRAM journal (2018)

SELECTED PUBLICATIONS

Ativo, J., Balasubramaniyam, B., Tran, A., Gupta, K., **Li, H.**, Caragea, D., & Caragea, C. (2026). LLM-guided Semi-Supervised Approaches for Social Media Crisis Data Classification. Proceedings of the International ISCRAM Conference, 23 (ISCRAM 2026). <https://doi.org/10.59297/bx082870>

Gupta, K., Ativo, J., Tran, A., **Li, H.**, Caragea, D., & Caragea, C. (2026). Cross-disaster Domain Adaptation Using Co-training Variants. Proceedings of the International ISCRAM Conference, 23 (ISCRAM 2026). <https://doi.org/10.59297/dv6dh059>

Kaur, J., Vuong, E. & **Li, H.** (2026). A Study of Large Language Model Performance for Phishing URL Detection and Explainability for User-Centric Security, 2026 Silicon Valley Cybersecurity Conference (SVCC2026), San Jose, CA, USA, 2026, pp. 1-8, doi: 10.1109/SVCC69905.2026.11642313.

Mohammed, W., Vatturi, V. S. K. A., **Li, H.**, Kashinath, S., & Woods, J. (2026). Bridging AI and Early Intervention: A Literature Survey. In: Proceedings of the Sixth Annual Computer Science Conference for CSU Undergraduates (CSCSU 2026) (in press). Virtual held in April, 2026.

Guo, D., Tran, A., Xiao, X., **Li, H.**, & Caragea, D. (2025). Multimodal Disaster-related Tweet Classification with Parameter-Efficient Fine-Tuning of Large Language Models. In: Proceedings of the 2025 International Conference on Advances in Social Networks Analysis and Mining (ASONAM FAB 2025).

Parmar, A., Kaur, J., **Li, H.**, & Ruan, X. (2025). Revisiting deep knowledge tracing: A comparative analysis of RNN and transformer models on interaction encoding and sequence variations (**Best Paper Nominee**). In: Proceedings of the Fifth Annual Computer Science Conference for CSU Undergraduates (CSCSU 2025). Virtual held in April, 2025.

Kaur, J., Parmar, A., & **Li, H.** (2025). Phishing for Answers: Evaluating the Performance of Large Language Models in Phishing URL Detection. In: Proceedings of Fifth Annual Computer Science Conference for CSU Undergraduates (CSCSU 2025), Virtually held in April, 2025.

Shem Tov, T., Coulson, J., & **Li, H.** (2025). Pruning Convolutional Neural Networks Using Filter Embeddings. In: Proceedings of Fifth Annual Computer Science Conference for CSU Undergraduates (CSCSU 2025), Virtually held April, 2025.

Sharma, A., Guo, D., Parmar, A., Ge, J., & **Li, H.** (2024, July). Promoting Sign Language Awareness: A Deep Learning Web Application for Sign Language Recognition. In Proceedings of the 2024 8th International Conference on Deep Learning Technologies (ICDLT) (pp. 22-28).

Wang X., Muenzler M., King J., Liu M., **Li H.**, Budowle B., & Ge, J (2024). A complete pipeline enables haplotyping and phasing macrohaplotype in long sequencing reads for polyploidy samples and a multi-source DNA mixture. Electrophoresis. 2024; 1–8. <https://doi.org/10.1002/elps.202300143>

Li, H., Caragea, D., Mhatre, A., Ge, J., & Liu, M (2023). Identifying COVID-19 Tweets Relevant to Low-Income Households Using Semi-supervised BERT and Zero-shot ChatGPT Models. In Proceedings of the 20th International Conference on Information Systems for Crisis Response and Management (ISCRAM2023), Omaha, Nebraska, USA May 2023.

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.