Zijian "Jason" Ding

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I have 7 years of research experience in human-centered AI, with 20+ publications at premier venues (CHI×5, C&C×4, CSCW, EMNLP, VL/HCC; 500+ citations) and strong industry partnerships through 4 research internships at Microsoft Research, IBM Research (MIT-IBM Watson AI Lab), Fujitsu Research of America, and Dataminr.

EDUCATION

PhD in Human-centered AI, University of Maryland, College Park (UMD)   2021-2026
Thesis Title: From Automation to Augmentation: Scaffolding and Structuring Human-AI Collaboration through Intent-oriented Interaction Paradigms

M.S in Electrical & Computer Engineering, University of California, San Diego (UCSD)   2018-2020

B.Eng in Electronic & Information Engineering, The Hong Kong Polytechnic University (PolyU)
Admitted via Chinese College Entrance Exam and Awarded Full Scholarship (HK$480,000) 2014-2018

INDUSTRY RESEARCH EXPERIENCE

Research Intern, Fujitsu Research of America   Sep 2025–Mar 2026 (part-time)
Report to: Dr. Aakar Gupta, Senior Research Manager
- Studied world model for intelligent systems
- Part-time due to reaching CPT limit

Research Intern, MIT-IBM Watson AI Lab   May 2024–Aug 2024
Report to: Dr. Kush Varshney, IBM Fellow
Mentored by Dr. Werner Geyer, Chief Scientist Human-Centered AI & Principal Research Scientist &
Dr. Michelle Brachman, HCI Staff Research Scientist
- Studied Generative AI hypothesis exploration tool; the intern project was accepted as a C&C'25 full paper [3] and an IUI'25 demo paper [16], and filed a first-authored patent [25]

Research Intern, EPIC lab, Microsoft Research Redmond   May 2023–Aug 2023
Report to: Dr. Ken Hinckley, Senior Principal Research Manager
Mentored by Dr. Nathalie Henry Riche, Principal Researcher
- Studied building Intent-based User Interface as the next generation of GUI for GenAI
- Contributed to Microsoft Copilot; developed demos for senior leaderships in Microsoft

Research Intern, Human AI Innovation (HAI) team, Dataminr Inc. (pre-IPO)   May 2022–Aug 2022
Report to: Dr. Alejandro Jaimes, Chief AI Officer
Mentored by Dr. Alison Smith-Renner, Director of Human AI Innovation &
Dr. Isabel Zhang, Staff Research Scientist
- Studied human-AI interaction in the context of news headline generation with LLM; work resulted in a first-authored EMNLP'23 paper [6]
- Featured in Dataminr intern spotlight (the only research intern of 2022 cohort)

PUBLICATIONS

Full Conference Papers In my field of AI and HCI, top-tier conferences (e.g. CHI, EMNLP, CSCW) are as, or more, impactful than journals. [†] advisor; [‡] co-advisor.

[1] K. Quan, D. Albassam, M. Wu, **Z. Ding**[‡], J. Chin. Towards LLMs as Colleagues: Multi-Agent System Improves Structured Professional Ideation. In *Proceedings of the 2026 ACM Conference on Human Factors in Computing Systems (CHI'26).* (Accepted)

[2] **Z. Ding**, Q. Zhang, M. Chi, Z. Wang. Frontend Diffusion: Empowering Self-Representation of Junior Researchers and Designers with Agentic Workflows. In *Proceedings of the 2025 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC'25).*

[3] **Z. Ding**, M. Brachman, J. Chan, W. Geyer. "The Diagram is like Guardrails": Structuring GenAI-assisted Hypotheses Exploration with an Interactive Shared Representation. In *Proceedings of the 2025 ACM Conferences on Creativity and Cognition (C&C'25).* (Work during internship at MIT-IBM Watson AI Lab)

[4] Q. Zhang, R. Wen, L. B. Hendra. **Z. Ding**[‡], R. LC. Can AI Prompt Humans? Multimodal Agents

Prompt Players' Game Actions and Show Consequences to Raise Sustainability Awareness. In *Proceedings of the 2025 ACM Conference on Human Factors in Computing Systems (CHI'25)*, Yokohama, Japan, 2025.

[5] J. Chan, **Z. Ding**, E. Kamrah, M. Fuge. Formulating or Fixating: Effects of Examples on Problem Solving Vary as a Function of Example Presentation Interface Design. In *Proceedings of the 2024 ACM Conference on Human Factors in Computing Systems (CHI'24)*, Honolulu, USA, 2024.

[6] **Z. Ding**, A. Smith-Renner, W. Zhang, J. R. Tetreault, A. James. Harnessing the Power of LLMs: Evaluating Human-AI Interaction through the Lens of News Headline Generation. In *Findings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP'23 Findings)*, Singapore. (Work during internship at Dataminr in 2022 summer)

[7] **Z. Ding**, A. Srinivasan, S. MacNeil, J. Chan. Fluid Transformers and Creative Analogies: Exploring Large Language Models' Capacity for Augmenting Cross-Domain Analogical Creativity. In *Proceedings of the 2023 ACM Conferences on Creativity and Cognition (C&C'23)*, Online. (Awarded Best Paper Honorable Mention 🏅)

[8] S. MacNeil, Z. Huang, K. Chen, **Z. Ding**, A. Yu, K. Nakai, S. P. Dow. Freeform Templates: combining Freeform Curation with Structured Templates. In *Proceedings of the 2023 ACM Conferences on Creativity and Cognition (C&C'23)*, Online.

[9] **Z. Ding**, J. Kang, T.O.T. Ho, K.H. Wong, H.H. Fung, H. Meng, X. Ma. TalkTive: A Conversational Agent Using Backchannels to Engage Older Adults in Neurocognitive Disorders Screening . In *Proceedings of the 2022 ACM Conference on Human Factors in Computing Systems (CHI'22)*, New Orleans, LA, USA.

[10] S. Palani, **Z. Ding**, A. Nguyen, A. Chuang, S. MacNeil, S. P. Dow. CoNotate: Suggesting Queries Based on Notes Promotes Knowledge Discovery. In *Proceedings of the 2021 ACM Conference on Human Factors in Computing Systems (CHI'21)*, Online.

[11] S. MacNeil, **Z. Ding**, A. Boone, A. B. Grubbs, S. P. Dow. Finding Place in a Design Space: Challenges for Supporting Community Design Efforts at Scale. In *Proceedings of the 2021 Conference of Computer Supported Cooperative Work (CSCW'21)*, Online.

[12] S. MacNeil, **Z. Ding**, K. Quan, T. J. Parashos, Y. Sun, S. P. Dow. Framing Creative Work: Helping Novices Frame Better Problems through Interactive Scaffolding. In *Proceedings of the 2021 ACM Conferences on Creativity and Cognition (C&C'21)*, Online.

[13] R. Chang, Q. Wang, **Z. Ding**. Revolutionizing Urban Energy Planning: A Roadmap Towards City-level Energy Modelling in Australia. In *Proceedings of the International Conference on Construction Project Management and Construction Engineering (iCCPMCE'18)*, Sydney, Australia. (Awarded Best Paper 🏆).

[14] Q. Wang, S. Zhang, D. Wei, **Z. Ding**. Additive Manufacturing (AM): A Revolutionized Power for Construction Industrialization. In *Proceedings of the 2018 International Conference on Construction and Real Estate Management (ICCREM'18)*, Charleston, USA. (Awarded Best Paper 🏆)

Manuscripts / Papers Under Review

[15] **Z. Ding**, F. Li, Z. Wang, J. Chan. ResearchCube: Multi-Dimensional Trade-off Exploration for Research Ideation. In *Adjunct Proceedings of the 2026 ACM Conference on Human Factors in Computing Systems (CHI'26 Poster)*.

[16] S. Wen, S. Ping, **Z. Ding**[‡], W. Xu, L. Ma, Y. Yan, H. Liang, AdaptiveAudience: Bridging Gaming Emotion and Virtual Reality with RL-Driven NPC Behavior. In *Proceedings of 2026 Annual Symposium on Computer-Human Interaction in Play (CHI PLAY'26)*.

[17] Z. Wang, Z. Zeng, Y. Li, **Z. Ding**[†]. CareerPooler: A GenAI-Powered Pool Interaction Model for Career Simulation. In *Proceedings of 2026 Annual Symposium on Computer-Human Interaction in Play (CHI PLAY'26)*.

[18] K. Fu, J. Leng, Y. Zhang, J. Huang, Y. Zuo, R. Cai, **Z. Ding**[‡], R. LC, S. Zhao, Q. Lei.

SpatialBalancing: An LLM-Powered Interface for Visualizing Iterative Revision of Trade-offs in Science Communication Writing. In *Proceedings of the 2026 ACM Conference on Designing Interactive Systems (DIS'26).*

[19] Z. Wang, Y. Dai, D. Lyu, M. Nader, S. Chen, W. Ye, **Z. Ding**[‡], X. Yan. StreetDesignAI: Multi-Persona Evaluation for Inclusive Infrastructure Design. In *Proceedings of the 2026 ACM Conference on Designing Interactive Systems (DIS'26).*

Short Conference Papers (Posters, Demos, Workshops)

[15] **Z. Ding**, F. Li, H. Yu, J. Chan. Towards Conceptual Direct Manipulation: Drag-Based Research Ideation, Evaluation and Evolution. In *Adjunct Proceedings of the 2025 Annual ACM Symposium on User Interface Software and Technology (UIST'25 Poster)*

[16] **Z. Ding**, M. Brachman, J. Chan, W. Geyer. Structuring GenAI-assisted Hypotheses Exploration with an Interactive Shared Representation. In *Companion Proceedings of the 30th International Conference on Intelligent User Interfaces (IUI'25 Demo)*, Cagliari, Italy. (Work during internship at MIT-IBM Watson AI Lab)

[17] **Z. Ding**. Advancing GUI for Generative AI: Charting the Design Space of Human-AI Interactions through Task Creativity and Complexity. In *Companion Proceedings of the 29th International Conference on Intelligent User Interfaces (IUI'24 Doctoral Consortium)*, Greenville, SC, USA.

[18] C. Cao, **Z. Ding**, G. Lee, J. Jiao, J. Lin, X. Zhai. Elucidating STEM Concepts through Generative AI: A Multi-modal Exploration of Analogical Reasoning. In IJCAI 2023 Symposium on Multi-modal Reasoning with LLM (IJCAI'23 Symposium), Macao SAR, China.

[19] **Z. Ding**, J. Chan. Mapping the Design Space of Interactions in Human-AI Text Co-creation Tasks. In CHI 2023 Workshop on Generative AI and HCI (CHI'23 Workshop), Hamburg, Germany.

[20] S. MacNeil, **Z. Ding**, K. Quan, Z. Huang, K. Chen, S. P. Dow. ProbMap: Automatically Constructing Design Galleries through Feature Extraction and Semantic Clustering. In *Adjunct Proceedings of the 2021 Annual ACM Symposium on User Interface Software and Technology (UIST'21 Demo Paper)*, Online.

[21] S. Palani, **Z. Ding**, S. MacNeil, S. P. Dow. The "Active Search" Hypothesis: How Search Strategies Relate to Creative Learning. In *Proceedings of the 2021 Conference on Human Information Interaction and Retrieval (CHIIR'21 Poster Paper)*, Online.

Journals (Non-HCI)

[22] E. Kamrah, S. F. Ghoreishi, **Z. Ding**, J. Chan, M. Fuge. How Diverse Initial Samples Help and Hurt Bayesian Optimizers. *ASME Journal of Mechanical Design*. [highlighted as a featured article on the Journal of Mechanical Design's companion site]

[23] S. Chang, Q. Wang, H. Hu, **Z. Ding**, H. Guo. An NNwC MPPT-Based Energy Supply Solution for Sensor Nodes in Buildings. *Energies*, 12(1), 1-20.

[24] R. Chang, Q. Wang, **Z. Ding**. How is the Energy Performance of Buildings Assessed in Australia?-A Comparison between four Evaluation Systems. *International Journal of Structural and Civil Engineering Research*, 8(2), 133-137.

Patents

[25] **Z. Ding**. M. Brachman. W. Geyer. Automatic Generation and Visualization of Analysis Paths. (Filed on January 3rd, 2025)

ACADEMIC
RESEARCH
EXPERIENCE

Graduate Research Assistant, HCI Lab, UMD College of Information Studies   Aug 2021–Present
Supervised by Prof. Joel Chan

- Studied using large language models to generate analogies to support design problem framing with a C&C'23 full paper awarded honorable mention [7]
- Investigated the effect of interface presentations of examples on solution quality in both machine learning and creativity domains; led the human-centered angle and result a CHI'24 full paper [5] and a

journal paper to ASME Journal of Mechanical Design (JMD) [22], featured on Journal of Mechanical Design's companion site

Visiting Research Intern, Dept. of Computer Science and Engineering, HKUST Sep 2020–Sep 2021
Supervised by Prof. Xiaojuan Ma
- Led a research project developing an interface to embed backchannel into conversation and collect spoken language biomarkers for screening and monitoring neurocognitive disorders of the elderly; resulted in a first-authored CHI'22 full paper [9]
- Collaborated with Prof. Helen Meng (CUHK) on a University Grants Committee (UGC) Theme-Based Research Scheme with funding HK$50M (US$6.45M) [Media appearance on IEEE Spectrum]

Graduate Research Assistant (Lab Assistant II), UCSD Design Lab Apr 2019–Jul 2021
Supervised by Prof. Steven Dow and Prof. Stephen MacNeil (now with Temple University)
- Explored how to engage, empower and scaffold novice community members in the design process; resulted in four full papers accepted to CHI'21 [10], CSCW'21 [11], C&C'21 [12], one CHIIR'21 poster paper [21] and one UIST'21 demo paper [20]

Undergraduate Research Assistant, PolyU & Boud University Sep 2017–Aug 2018
Supervised by Prof. Hung-Lin Chi and Prof. Ruidong Chang (now with the University of Adelaide)
- Worked on 3 computer-aided civil engineering projects with 4 publications ([13], [14], [23], [24]) and co-led a successful 3D printing building project with US$46,000 funds

Undergraduate Capstone Project, PolyU Apr 2017–May 2018
Supervised by Prof. Francis C. M. Lau
- Built a CV-based wireless water-meter reading system (Best 50 Final Year Projects Award in HK)

AWARDS (US$95,400)	**Dr. Dana Rotman Doctoral Student Travel Award**, for VL/HCC'25 [2], US$250	2025
	UMD Post-Candidacy Doctoral Student Research Award, US$1,500	2024
	2024 IBM PhD Fellowship nominee	2024
	2024 Apple Scholars in AI/ML PhD Fellowship nominee (one of three UMD-wide nominees)	2024
	2024 Google PhD Fellowship nominee (one of four UMD-wide nominees)	2024
	UMD Pre-Candidacy Doctoral Student Research Award, US$1,500	2023
	2023-2024 UMD College of Information Dean's Fellowship, US$2,500	2023
	Honorable Mention (5% of all papers), ACM Conference on Creativity and Cognition [7]	2023
	Special Recognitions for Outstanding Reviews, ACM Conference on Creativity and Cognition	2023
	Dataminr Intern Spotlight, featured in Dataminr Intranet	2022
	Dr. Dana Rotman Doctoral Student Travel Award, for CHI'22 [9], US$1,550	2022
	UMD College of Information iStar	2021
	2021-2023 UMD College of Information Dean's Fellowship, US$10,000	2021
	UCSD ECE SRIP Fellowship, US$5,000	2019
	Winner of the UCSD Design Lab Mobility Hub Designathon, US$1,000	2019
	Best 40 FYP+ Award, US$2,500 (HK$20,000)	2019
	PolyU Entry Scholarship (Academic Excellence), US$61,500 (HK$480,000)	2014–2018
	Best Paper Award, Intl. Conf. on Construction and Real Estate Management [14]	2018
	Best Paper Award, Intl. Conf. on Construction Project Management & Construction Eng. [13]	2018
	Best 50 Final Year Projects Award, US$2,500 (HK$20,000)	2018
	Bronze Award (IT Services), 4th China College Students' "Internet+" Innov. & Entr. Competition	2018
	Bronze Award (Mfg), 4th China College Students' "Internet+" Innov. & Entr. Competition	2018
	Hong Kong-Tsingtao Association Scholarship, US$1,300 (HK$10,000)	2018
	Best GPA Award, Dept. of Electronic and Information Engineering, PolyU	2017

	Twice on Dean Honors List, Faculty of Engineering, PolyU	2015–2017
	Wong Tit-shing Student Exchange Scholarship, US$2,000 (HK$15,000)	2017
	PolyU Student Exchange Scholarship, US$2,300 (HK$17,000)	2017

FUNDS (US$68,460)	**ACM IUI Student Grant (from NSF)**, to fund presentation of [17], US$1,460	2024
	Norman Design Fund, donated by Don Norman, US$890	2019
	PolyU Student Entrepreneurial Proof-of-Concept Funding Scheme, US$4,000 (HK$30,000)	2019
	PolyU International Competition & Conference Participation Scheme, US$5,910 (HK$46,000)	2018
	Mingxi Youth Fund, US$33,000 (HK$250,000)	2018
	PolyU Global Student Project Fund, US$13,000 (HK$100,000)	2018
	PolyU Oxbridge (Oxford & Cambridge) Abroad Subsidy, US$6,400 (HK$50,000)	2017
	PolyU Offshore WIE Sponsorship, US$3,800 (HK$29,600)	2016

TEACHING EXPERIENCE	Lead TA & Discussion Lead, INST123 Databases for All	Fall 2024 – Spring 2026
	TA, INST346 Technologies, Infrastructure and Architecture	Fall 2024

ACADEMIC SERVICES

Organizing Committee Member

Publication Chair, ACM Creativity & Cognition (C&C) 2026

Program Committee Member

ACM Creativity & Cognition (C&C) 2024, 2025

ACM IUI 2025, 2026

ACM CHI GenAICHI workshop 2024

Session Chair

ACM Creativity & Cognition (C&C) 2024, Chicago, USA	24 Jun 2024
ACM CHI 2024, Honolulu, USA	13 May 2024
ACM Creativity & Cognition (C&C) 2023, Virtual	20 Jun 2023
ACM SIGCSE Technical Symposium 2023, Toronto, Canada	16 March 2023

Reviewer (40+ papers)

ACM CHI 2024 (2), 2025 (4), 2026 (6) 🏅

ACM IUI 2025 (4), 2026 (2)

ACM CSCW 2024 (1)

ACM Creativity & Cognition (C&C) 2023 (1) 🏅, 2024 (6), 2025 (6)

International Journal of Human-Computer Interaction 2024 (1)

ACM Transactions on Interactive Intelligent Systems 2024 (1)

ACM CHI LBW 2024 (1), 2025 (4)

ACM CHI GenAICHI workshop 2024 (3)

🏅 Special Recognitions for Outstanding Reviews

Student Volunteer

ACM CHI 2024

ACM IUI 2024

ACM Creativity & Cognition (C&C) 2024

Competitions

Organizer of AI and Food Insecurity Case Competition, with UMD Artificial Intelligence Institute, UMD Center for Artificial Intelligence in Business and Capital Area Food Bank   Jan-Apr 2025

• Media: CBS Boston: How college kids used AI to improve the Capital Area Food Bank, Dec 17, 2025

Workshop Organizer

3rd Chinese Human-AI Colloquium, Pittsburgh, PA	13 Oct 2024
Colocated with UIST 2024	
2nd Chinese Human-AI Colloquium, NYC, NY	14 Aug 2024
1st Chinese Human-AI Colloquium, Honolulu, HI	16 May 2024
Colocated with CHI 2024	
Riding the LPM Wave: The Future of Academic Research in the Era of LPMs, UMD	3 Nov 2023

Panelist

Center for an Informed Public Student Meeting, University of Washington	10 Oct 2024
Virtual Admitted PhD Student Open House, iSchool, UMD	5 Apr 2024
Admitted PhD Student Open House, iSchool, UMD	18 Mar 2024

MENTORING

Yuanchen Bai, Cornell PhD	
Shaoyue Wen, NYU MS, now Imperial College London PhD	[16]
Ziyi Wang, UMD MS	[17], [2]
Fenghai Li, UIUC BS	[15]
Qinshi Zhang, UCSD MS	[2], [4]
Arvind Srinivasan, UMD MS, now Aarhus University PhD	[7]
Kexin Quan, UCSD BS/MS, now UIUC PhD	[1], [12], [20]

OPEN SOURCE
PROJECTS

Tiny Scientist, a lightweight framework for building research agents designed for developers [15]

Frontend Diffusion, an end-to-end LLM-powered tool that generates high-quality websites from user sketches. As part of [2]

EcoEcho, a demo of multi-agents influencing humans' behaviors in an RPG game. As part of [4]

TALKS &
PRESENTATIONS

Invited Talk, Microsoft Research — 15 Dec 2025
From Automation to Augmentation: Scaffolding and Structuring Human-AI Collaboration through Intent-oriented Interaction Paradigms

Invited Talk, hosted by Prof. Qiao Jin, North Carolina State University — 9 Oct 2025
Modeling from Words to Worlds: Exploring Mixed-Initiative Modeling beyond Language

Invited Talk, hosted by Prof. Fumeng Yang, University of Maryland — 6 Oct 2025
Modeling from Words to Worlds: Exploring Mixed-Initiative Modeling beyond Language

Thesis Proposal, University of Maryland — 4 Aug 2025
From Automation to Augmentation: Scaffolding and Structuring Human-AI Collaboration through Intent-oriented Interaction Paradigms

Invited Talk, hosted by Yuexing Hao, Cornell University — 16 Jul 2025
Trend Analysis of Human-centered AI

Invited Talk, hosted by Prof. Yukang Yan, University of Rochester — 17 Jun 2025
Trend Analysis of Human-centered AI

Talk & Poster at 2025 HCIL Annual symposium, University of Maryland — 29 May 2025
Towards Human-AI Alignment on the Conceptual Level: GenAI-assisted Hypotheses Exploration and Evaluation

Talk & Poster at 2025 HCIL Annual symposium, University of Maryland — 29 May 2025
Rolling into the Future: Navigating Career Pathways with a GenAI-Powered Pool World Model

Graduate Research Appreciation Day 2025, University of Maryland — 9 Apr 2025
Rolling into the Future: Navigating Career Pathways with a GenAI-Powered Pool World Model

Talk at UMD HCIL Brown Bag Series, University of Maryland   21 Nov 2024
Intent-AI Interaction: Elevating Human-Computer Interaction to the Intent and Conceptual Level

Intern Project Final Presentation, MIT-IBM Watson AI Lab   8 Aug 2024
Structuring GenAI-assisted Hypotheses Exploration with an Interactive Shared Representation

Poster at C&C 2024, Chicago, Illinois   24 Jun 2024
Towards Intent-based User Interfaces: Charting the Design Space of Intent-AI Interactions Across Task Types

Talk & Poster at 2024 HCIL Annual symposium, University of Maryland   23 May 2024
Towards Intent-based User Interfaces: Charting the Design Space of Intent-AI Interactions Across Task Types

Invited Talk, hosted by Prof. Steven Dow, University of California, San Diego   8 May 2024
Towards Intent-based User Interfaces: Charting the Design Space of Intent-AI Interactions Across Task Types

Talk & Poster at IUI 2024, Greenville, South Carolina   18 Mar 2024
Advancing GUI for Generative AI: Charting the Design Space of Human-AI Interactions through Task Creativity and Complexity

Invited Talk, hosted by Prof. Stephen MacNeil, Temple University   15 Mar 2024
Advancing GUI for Generative AI: Charting the Design Space of Human-AI Interactions through Task Creativity and Complexity

Talk at UMD HCIL Brown Bag Series, University of Maryland   8 Feb 2024
Harness Generative AI for Real-time Data Visualization Management

Virtual Poster at EMNLP 2023, Singapore   8 Dec 2023
Harnessing the Power of LLMs: Evaluating Human-AI Interaction through the Lens of News Headline Generation

Talk at UMD HCIL Brown Bag Series, University of Maryland   16 Nov 2023
Design-Like Data Analysis through Rapid Prototyping, Iteration and Curation

Presentation & Demo to Senior Leadership Team of Microsoft Mesh, Microsoft   25 Jul 2023

Presentation & Demo, SYNCP Meeting, Microsoft Research Redmond   11 Jul 2023

Presentation & Demo on HC(AI)X Day, Microsoft Research Redmond   28 Jun 2023

Paper Presentation at C&C 2023, Online   21 Jun 2023
Fluid Transformers and Creative Analogies: Exploring Large Language Models' Capacity for Augmenting Cross-Domain Analogical Creativity

Poster at 2023 HCIL Annual symposium, University of Maryland   25 May 2023
Fluid Transformers and Creative Analogies: Exploring Large Language Models' Capacity for Augmenting Cross-Domain Analogical Creativity

Presentation at AI Org Meeting, Dataminr Inc.   9 Aug 2022
Harnessing the Power of LLMs: Evaluating Human-AI Interaction through the Lens of News Headline Generation

Talk & Poster at 2022 HCIL Annual symposium, University of Maryland   26 May 2022
Computational Analogy: Supporting Creative Problem Reformulation with AI-generated Analogies

Talk & Poster at 2022 HCIL Annual symposium, University of Maryland   26 May 2022
Exploring Presentation Interaction Effects on Mechanism of Inspiration from Diverse Examples

Paper Presentation at CHI 2022, New Orleans, Louisiana   2 May 2022
TalkTive: A Conversational Agent Using Backchannels to Engage Older Adults in Neurocognitive Disorders Screening

Talk at UMD HCIL Brown Bag Series, Online   10 Feb 2022
Computational Analogy: Supporting Creative Problem Reformulation with AI-generated Analogies

Demo at UIST 2021, Online   12-13 Oct 2021
Automatically Constructing Design Galleries through Feature Extraction and Semantic Clustering

Paper Presentation at C&C 2021, Online   23 Jun 2021
Framing Creative Work: Helping Novices Frame Better Problems through Interactive Scaffolding

Paper Presentation at CHI 2021, Online   12 May 2021
CoNotate: Suggesting Queries Based on Notes Promotes Knowledge Discovery

Poster at CHIIR 2021, Online   16-18 Mar 2021
The "Active Search" Hypothesis: How Search Strategies Relate to Creative Learning

Poster at World Innovation & Entrepreneurship EXPO (WIEE), Tongji University   19 May 2018
Bright Building: Additive Construction for Post-Disaster Redevelopment

Poster at Forum "From Disaster Management to Disaster Risk Reduction", PolyU   7 May 2018
Bright Building: Additive Construction for Post-Disaster Redevelopment

Invited Talk at Research Seminar, Dept of Building and Real Estate (BRE), PolyU   8 Mar 2018
Bright Building: Additive Construction for Post-Disaster Redevelopment