Natalie Parde

Assistant Professor
Department of Computer Science
University of Illinois at Chicago
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Education

Ph.D., Computer Science and Engineering
University of North Texas, 2018. 4.0/4.0.

M.S., Computer Science
University of North Texas, 2016. 4.0/4.0.

B.S., Computer Science
University of North Texas, 2013. *Summa Cum Laude.*

Additional Coursework
Overview of Online Instruction, Illinois Online Network (ION) Professional eLearning Program, 2020
New Computing Faculty Workshop, Computing Research Association, 2018
Graduate Student Teaching Excellence Program, University of North Texas, 2016

Research

Natural Language Processing Laboratory
Department of Computer Science, University of Illinois at Chicago
Co-Director, October 2018 – Present

Human Intelligence and Language Technologies Laboratory
Department of Computer Science and Engineering, University of North Texas
Research Assistant, June 2013 – May 2015
Research Fellow, June 2015 – September 2018

Human Movement Performance Laboratory
Department of Physical Therapy, University of North Texas Health Science Center
Programmer, June 2018 – September 2018

Software and Knowledge Engineering Laboratory
Institute of Informatics and Telecommunications, N.C.S.R. Demokritos, Greece
Visiting Researcher, July 2014

Reconfigurable Computing Laboratory
Department of Electrical Engineering, University of North Texas
Research Assistant, June 2012 – May 2013

Research Grants	**Effects of an Intelligent Virtual Assistant in a Noisy Environment on Office Workers' Physical and Cognitive Loads**

Effects of an Intelligent Virtual Assistant in a Noisy Environment on Office Workers' Physical and Cognitive Loads

Office Ergonomics Research Committee | Co-I | Award Amount: $25,407
Investigators: Heejin Jeong (PI, *UIC Mechanical and Industrial Engineering*), Natalie Parde (Co-I, *UIC Computer Science*), Myunghee Kim (Co-I, *UIC Mechanical and Industrial Engineering*)
Awarded: January 2021

CREATE WISDOM: Addressing Wicked Problems in Healthcare through Informatics, Engineering, Data Science and Medicine
UI Discovery Partners Institute | Co-I | Award Amount: $125,000
Investigators: Karl Kochendorfer (PI, *UI Health*); Ravishankar Iyer (Co-PI, *UIUC*); Andrew Trotter, Martha Daviglus, Christian Ascoli, Scott Borgetti, Stephen Brown, Bill Galanter, Olga Garcia-Bedoya, Bhrandon Harris, Min Joo, Martha Menchaca, Richard Novak, and Tushar Patel (Co-Is, *UI Health*); Narendra Ahuja, Anu Aggarwal, Masooda Bashir, Roy Campbell, David Forsyth, Sanmi Koyejo, and ChengXiang Zhai (Co-Is, *UIUC*); Andy Boyd, Houshang Darabi, and Natalie Parde (Co-Is, *UIC*); Bala Hota and Casey Frankenberger (Co-Is, *Rush University Medical Center*); Liewei Wang (Co-I, *Mayo Clinic*); Justin B. Starren (Co-I, *Northwestern University*); Paul Arnold (Co-I, *Carle Foundation Hospital*); Ayis Pyrros (Co-I, *DuPage Medical Group*); Sarah de Ramirez (Co-I, *OSF Healthcare*)
Awarded: August 2020

Artificial Intelligence Modeling for COVID-19 Disease (AIMCOVID)
UIC Center for Clinical and Translational Science | Co-I | Award Amount: $30,000
Investigators: Andrew Trotter (PI, *UIC Clinical Medicine*), Christian Ascoli (Co-I, *UIC Medicine*), Scott Borgetti (Co-I, *UIC Clinical Medicine*), Andrew Boyd (Co-I, *UIC Biomedical and Health Information Sciences*), Houshang Darabi (Co-I, *UIC Mechanical and Industrial Engineering*), William Galanter (Co-I, *UIC Medicine*), Bhrandon Harris (Co-I, *UIC Family Medicine*), Ravishankar Iyer (Co-I, *UIUC Electrical and Computer Engineering*), Min Joo (Co-I, *UIC Medicine*), Karl Kochendorfer (Co-I, *UIC Clinical Family Medicine*), Martha Menchaca (Co-I, *UIC Radiology*), Richard Novak (Co-I, *UIC Medicine*), Natalie Parde (Co-I, *UIC Computer Science*)
Awarded: May 2020

Alzheimer's Disease Research Center Pilot Grant
University of California, San Diego | Consultant | Award Amount: $60,000
Investigators: Erin Sundermann (PI, *UCSD Psychiatry*), Raeanne Moore (Co-I, *UCSD Psychiatry*), Tamar Gollan (Co-I, *UCSD Psychiatry*), Natalie Parde (Consultant, *UIC Computer Science*), Alex Leow (Consultant, *UIC Psychiatry*)
Awarded: March 2020

Google Cloud Platform Research Credits Grant
Google | PI | Award Amount: $5000
Investigators: Natalie Parde (PI, *UIC Computer Science*)

Awarded: December 2018

National Science Foundation Graduate Research Fellowship
National Science Foundation | PI | Award Amount: $132,000
Investigators: Natalie Parde (PI, *UNT Computer Science and Engineering*)
Awarded: April 2014

Awards	**Outstanding Reviewer**, Conference on Empirical Methods in Natural Language Processing, 2020
	Outstanding Reviewer, Association for Computational Linguistics, 2020
	Outstanding Reviewer, North American Chapter of the Association for Computational Linguistics, 2019
	Outstanding Ph.D. Student, Department of Computer Science and Engineering, University of North Texas, 2018
	Dr. Hermann Zemlicka Award for Most Visionary Paper, Gmunden Retreat on NeuroIS, 2017
	Golden Eagle Award, University of North Texas, 2016
	First Place Project, International Research-centered Summer School in Cognitive Systems and Interactive Robotics, Data and Content Analysis, 2014
	People's Choice Project, International Research-centered Summer School in Cognitive Systems and Interactive Robotics, Data and Content Analysis, 2014
	Honors Scholar Award, UNT Honors College, 2013
Travel Grants	**Connections in Smart Health Workshop Travel Award**, National Science Foundation, 2018
	SemBEaR Student Travel Grant, NAACL Workshop on Computational Semantics Beyond Events and Roles/National Science Foundation, 2018
	AAAI Doctoral Consortium Travel Grant, Association for the Advancement of Artificial Intelligence, 2018
	Grace Hopper Scholarship, Google, 2017
	EMNLP Student Scholarship, Special Interest Group on Linguistic Data and Corpus-based Approaches to NLP, 2017
	Toulouse Graduate School Travel Grant, University of North Texas, 2018, 2017
	College of Engineering Travel Grant, University of North Texas, 2018, 2017, 2014
	Departmental Travel Award, Department of Computer Science and Engineering, University of North Texas, 2018, 2016, 2015, 2013
	IJCAI Doctoral Consortium Travel Grant, International Joint Conference on Artificial Intelligence/National Science Foundation, 2015
	CRA-W Workshop and Travel Scholarship, CRA Committee on the Status of Women in Computing, 2016, 2015, 2014
Scholarships	**Graduate Assistantship Tuition Scholarship**, University of North Texas, 2013

Academic Achievement Scholarship, University of North Texas, 2013

Engineering Ambassador Scholarship, College of Engineering, University of North Texas, 2012

C.J. Davidson Honors Scholarship, Honors College, University of North Texas, 2011

Achievement Scholarship, University of North Texas, 2009

Board of Regents' Excellence Scholarship, University of North Texas, 2009-2013

Publications[1] P. Hossu* and <u>N. Parde</u>. UIC-NLP at SemEval-2020 Task 10: Exploring an Alternate Perspective on Evaluation. To appear in the *Proceedings of the 14th International Workshop on Semantic Evaluation (SemEval 2020)*. Barcelona, Spain, December 12-13, 2020.

C. Gordon* and <u>N. Parde</u>. Latent Neural Differential Equations for Video Generation. To appear in the *Proceedings of the Preregistration Workshop on Machine Learning at NeurIPS 2020*. Online, December 6-12, 2020.

S. Farzana* and <u>N. Parde</u>. Exploring MMSE Score Prediction Using Verbal and Non-Verbal Cues. In the *Proceedings of the 21st Conference of the International Speech Communication Association (INTERSPEECH 2020)*. Shanghai, China, October 25-29, 2020.

S. Farzana,* M. Valizadeh,* and <u>N. Parde</u>. Modeling Dialogue in Conversational Cognitive Health Screening Interviews. In *Proceedings of the 12th International Conference on Language Resources and Evaluation (LREC 2020)*. Marseilles, France, May 11-16, 2020.

F. Di Palo* and <u>N. Parde</u>. Enriching Neural Models with Targeted Features for Dementia Detection. In *Proceedings of the 2019 ACL Student Research Workshop (ACL SRW 2019)*. Florence, Italy, July 28-August 2, 2019.

<u>N. Parde</u> and R. D. Nielsen. AI Meets Austen: Towards Human-Robot Discussions of Literary Metaphor. In *Proceedings of the 20th International Conference on Artificial Intelligence in Education (AIED 2019)*. Chicago, Illinois, June 25-29, 2019.

Y. Modi* and <u>N. Parde</u>. The Steep Road to Happily Ever After: An Analysis of Current Visual Storytelling Models. In *Proceedings of the NAACL 2019 Workshop on Shortcomings in Vision and Language (SiVL 2019)*. Minneapolis, Minnesota, June 6, 2019.

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[1]An asterisk (*) indicates students who I advise and/or mentor.

S. Farzana* and N. Parde. Virtual-Interviewer: A Conversational Agent Designed to Facilitate Cognitive Health Screening in Older Adults. In *Proceedings of the IEEE-EMBS International Conference on Biomedical and Health Informatics: Extended Abstracts (BHI 2019)*. Chicago, Illinois, May 19-22, 2019.

N. Parde and R. D. Nielsen. User Perceptions of a Conversational Robot Interface. In *Proceedings of the CHI 2019 Workshop on Mapping Theoretical and Methodological Perspectives for Understanding Speech Interface Interactions (SpeechCHI 2019)*. Glasgow, United Kingdom, May 5, 2019.

N. Parde and R. D. Nielsen. Automatically Generating Questions about Novel Metaphors in Literature. In *Proceedings of the 11th International Conference on Natural Language Generation (INLG 2018)*. Tilburg, The Netherlands, November 5-8, 2018.

N. Parde and R. D. Nielsen. Reading with Robots: Promoting Cognitive Exercise in Elderly Populations through Embodied Conversational Dialogue. In *Proceedings of the 2018 Connections in Smart Health Workshop*. Arlington, Virginia, September 24-26, 2018.

N. Parde and R. D. Nielsen. Detecting Sarcasm is Extremely Easy ;-). In *Proceedings of the NAACL 2018 Workshop on Computational Semantics Beyond Events and Roles (SemBEaR 2018)*. New Orleans, Louisiana, June 5, 2018.

N. Parde and R. D. Nielsen. A Corpus of Metaphor Novelty Scores for Syntactically-Related Word Pairs. In *Proceedings of the 11th International Conference on Language Resources and Evaluation (LREC 2018)*. Miyazaki, Japan, May 7-12, 2018.

N. Parde and R. D. Nielsen. Exploring the Terrain of Metaphor Novelty: A Regression-based Approach for Automatically Scoring Metaphors. In *Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)*. New Orleans, Louisiana, February 2-7, 2018.

N. Parde. Reading with Robots: Towards a Human-Robot Book Discussion System for Elderly Adults. In *Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18) Doctoral Consortium*. New Orleans, Louisiana, February 2-7, 2018.

N. Parde and R. D. Nielsen. Finding Patterns in Noisy Crowds: Regression-based Annotation Aggregation for Crowdsourced Data. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP 2017)*. Copenhagen, Denmark, September 7-11, 2017.

N. Salma, B. Mai, K. Namuduri, R. Mamun, Y. Hashem, H. Takabi, <u>N. Parde</u>, and R. Nielsen. Using EEG Signal to Analyze IS Decision Making Cognitive Processes. In Information Systems and Neuroscience, Lecture Notes in Information Systems and Organisation.

M. Narouei, H. Khanpour, H. Takabi, R. Nielsen and <u>N. Parde</u>. Towards a Top-down Policy Engineering Framework for Attribute-based Access Control. In *Proceedings of the 22nd ACM Symposium on Access Control Models and Technologies.* Indianapolis, Indiana, June 21-23, 2017.

<u>N. Parde</u> and R. D. Nielsen. #SarcasmDetection is soooo general! Towards a Domain-Independent Approach for Detecting Sarcasm. In *Proceedings of the 30th International FLAIRS Conference (FLAIRS 2017).* Marco Island, Florida, May 22-24, 2017.

<u>N. Parde</u>, A. Hair, M. Papakostas, K. Tsiakas, M. Dagioglou, V. Karkaletsis, and R. D. Nielsen. Grounding the Meaning of Words through Vision and Interactive Gameplay. In *Proceedings of the 2015 International Joint Conference on Artificial Intelligence (IJCAI 2015)*, Buenos Aires, Argentina, July 25-31, 2015.

M. Papakostas, K. Tsiakas, <u>N. Parde</u>, V. Karkaletsis, and F. Makedon. An Interactive Framework for Learning User-Object Associations through Human-Robot Interaction. In *Proceedings of the 8th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA 2015)*, Corfu, Greece, July 1-3, 2015.

<u>N. Parde</u>, M. Papakostas, K. Tsiakas, and R. D. Nielsen. "Is It Rectangular?" Using I Spy as an Interactive, Game-Based Approach to Multimodal Robot Learning. In *Proceedings of the AAAI-15 Conference on Artificial Intelligence Student Program*, Austin, Texas, January 25-30, 2015.

<u>N. Parde</u>, M. Papakostas, K. Tsiakas, M. Dagioglou, V. Karkaletsis, and R. D. Nielsen. I Spy: An Interactive Game-Based Approach to Multimodal Robot Learning. In *Proceedings of the AAAI-15 Workshop on Knowledge, Skill, and Behavior Transfer in Autonomous Robots*, Austin, Texas, January 25, 2015.

<u>N. Parde</u> and R. D. Nielsen. Design Challenges and Recommendations for Multi-Agent Learning Systems Featuring Teachable Agents. In *Proceedings of the 2nd Annual GIFT Users Symposium (GIFTSym2).* Pittsburgh, Pennsylvania, June 12-13, 2014

G. Mehta, K. K. Patel, <u>N. Parde</u>, and N.S. Pollard. "Data-driven mapping using local patterns." IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 32.11 (2013): 1668-1681.

G. Mehta, C. Crawford, X. Luo, <u>N. Parde</u>, K. Patel, B. Rodgers, A. Sistla, A.Yadav, and M. Reisner. (2013). UNTANGLED – A game environment for discovery of creative mapping strategies. In ACM Transactions on Reconfigurable Technology and Systems, Vol. 6, No.3

G. Mehta, X. Luo, <u>N. Parde</u>, K. Patel, B. Rodgers, and A. K. Sistla. UNTANGLED - An interactive mapping game for engineering education. In *Proceedings of 2013 IEEE International Conference on Microelectronic Systems Education (MSE 2013)*, Austin, Texas, 2013.

A. Sistla, <u>N. Parde</u>, K. Patel, and G. Mehta. Cross-architectural study of custom reconfigurable devices using crowdsourcing. In *Proceedings of the 2013 IEEE 27th International Symposium on Parallel and Distributed Processing Workshops and PhD Forum (IPDPSW 2013)*, Boston, Massachusetts, May 20-24, 2013.

Invited Talks	<u>N. Parde</u>. The Doctor (or Chatbot?) Is In: Towards Automated Monitoring of Cognitive Health Status and Medical Self-Disclosure. Invited presentation at the *2020 Conference of the Chicago Chapter of the American Statistical Association (CCASA 2020)*. Virtual, November 20, 2020.

<u>N. Parde</u>. Supporting Cognitive Wellness through Spoken Language Analysis. Invited presentation at the *Penn State University Joint CSE/IST Colloquium in Natural Language Processing*. Virtual, October 23, 2020.

<u>N. Parde</u>. And, Action! Towards Leveraging Multimodal Patterns for Storytelling and Content Analysis. Invited keynote at the *2nd International Workshop on AI for Smart TV Content Production, Access and Delivery (AI4TV 2020)*. Virtual, October 12, 2020.

<u>N. Parde</u>. Automatically Assessing Cognitive Health Using Verbal and Non-Verbal Cues. Invited presentation for the *UIC Data Science Lightning Talks* series. Virtual, August 7, 2020.

<u>N. Parde</u>. Tea Time: Q&A with Dr. Natalie Parde. Invited presentation for *UIC CS 100: Discovering Computer Science*. Virtual, May 18, 2020.

<u>N. Parde</u>. An Introduction to the Deliciously Simple (#sarcasm) World of Computational Figurative Language Processing. Invited presentation at the *UIC Cognitive Psychology Brown Bag Series*. Chicago, Illinois, April 3, 2019.

<u>N. Parde</u>. Writing a Successful Proposal — How I Did It. Invited presentation at the *2018 UNT Graduate Research Grant Assistance Workshop*. Denton, Texas, August 22-24, 2018.

Additional Talks	Y. Modi and <u>N. Parde</u>. Visual Storytelling: Errors and Improvements. Presentation at the *2019 Midwest Speech and Language Days (MSLD 2019)*. Chicago, Illinois, May 3, 2019.

<u>N. Parde</u> and R. D. Nielsen. Reading with Robots: Towards an Intelligent Reading Companion that Promotes Cognitive Exercise in Older Adults. Poster at the *2017 Dallas Aging and Cognition Conference*. Dallas, Texas, January 29-30, 2017.

R. D. Nielsen and <u>N. Parde</u>. Perceptive Emotive Spoken-Dialogue Companion Robots. Presentation at the *2016 IEEE MetroCon Conference*. Arlington, Texas, October 26, 2016.

<u>N. Parde</u> and R. D. Nielsen. Getting to the Heart of Metaphors: Dependency-based Detection of Metaphoric Juxtapositions. Poster at the *2016 CRA-Women Graduate Cohort Workshop*. San Diego, California, April 15-16, 2016.

<u>N. Parde</u> and R. D. Nielsen. An Exploration in Teaching Robots through "I Spy" Gameplay. Poster at the *2015 CRA-Women Graduate Cohort Workshop*. San Francisco, California, April 10-11, 2015.

<u>N. Parde</u> and R. D. Nielsen. Improving Cognition in the Elderly via Dialogue-Based Games with Teachable Robot Agents. Poster at the *2014 CRA-Women Graduate Cohort Workshop*. Santa Clara, California, April 11-12, 2014.

Teaching

UIC CS 521: Statistical Natural Language Processing, Spring 2021[2]
Course Evaluations:[3]
Class Size: 34 | Course Evaluation Responses: 27
Teaching Effectiveness: 4.78 ± 0.42 | *Overall Qual.*: 4.7 ± 0.47
Difficulty: 3.41 ± 1.01 | *Workload*: 3.48 ± 0.94

UIC CS 421: Natural Language Processing, Fall 2020[2]
Course Evaluations:
Class Size: 47/24 (Undergrad/Grad) | Course Evaluation Responses: 26/20
Teaching Effectiveness: $4.42/4.35 \pm 0.9/1.09$ | *Overall Qual.*: $4.35/4.35 \pm 1.06/1.14$
Difficulty: $3.46/3.15 \pm 1.07/0.88$ | *Workload*: $3.77/3.65 \pm 1.03/0.88$

UIC CS 521: Statistical Natural Language Processing, Spring 2020[4]
Course Evaluations:
Class Size: 18 | Course Evaluation Responses: 16
Teaching Effectiveness: 4.81 ± 0.40 | *Overall Quality*: 4.63 ± 0.72
Difficulty: 3.31 ± 0.79 | *Workload*: 3.25 ± 0.68

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[2]Taught using a remote asynchronous format due to the COVID-19 pandemic.

[3]Scored using a Likert scale ranging from 1-5. For *Teaching Effectiveness* and *Overall Quality*, 1=Poor and 5=Excellent. For *Difficulty* and *Workload*, 1=Very Easy and 5=Very Hard.

[4]Switched to a remote synchronous format halfway through the semester due to the COVID-19 pandemic.

UIC CS 421: Natural Language Processing, Fall 2019
Course Evaluations:
Class Size: 28/25 (Undergrad/Grad) | Course Evaluation Responses: 16/22
Teaching Effectiveness: $4.5/4.36 \pm 0.82/0.85$ | *Overall Qual.*: $4.44/4.64 \pm 0.73/0.58$
Difficulty: $3.69/3.05 \pm 0.7/1.05$ | *Workload*: $3.63/3.41 \pm 0.62/1.01$

UIC CS 594: Language and Vision, Spring 2019
Course Evaluations:
Class Size: 19 | Course Evaluation Responses: 17
Teaching Effectiveness: 4.82 ± 0.39 | *Overall Quality*: 4.71 ± 0.47
Difficulty: 3.41 ± 0.51 | *Workload*: 3.53 ± 0.51

Additional Teaching Impact:
- Educational videos about NLP topics have a combined 1000+ views on YouTube[5]
- CS 521 (Spring 2020) listed as a reference for CC6205 (Natural Language Processing) at Facultad de Ciencias Fisicas y Matemáticas Universidad de Chile[6]
- CS 521 (Spring 2020) mentioned in the January 2020 issue of the NLP Newsletter[7] (11.8k+ subscribers)
- CS 594 (Spring 2019) listed as a reference for CMP 722 (Advanced Computer Vision) at Hacettepe University[8]
- CS 421 course materials incorporated into the curriculum for the NLP course at Telkom University

Guest Lectures	**UNT (Frisco) CSCE 5300: Introduction to Big Data and Data Science** March 2018: Big Data and Data Science Overview **UNT CSCE 4310/5210: Introduction to Artificial Intelligence** May 2018: Grounded Language Learning February 2018: Figurative Language Processing + AAAI 2018 Highlights March 2017: Natural Language Processing **UNT CSCE 1010: Discovering Computer Science** Nov. 2015, April 2015, Nov. 2014, April 2014: Introduction to Robotics with NAO
External Service	**Session Chair: Birds of a Feather (NLP Applications)**, Annual Conference of the Association for Computational Linguistics (ACL), 2020 **Group Mentor: Navigating Research Problems in NLP**, Annual Conference of the Association for Computational Linguistics (ACL), 2020 **Mentoring Committee**, ACL Student Research Workshop, 2020

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[5] https://www.youtube.com/channel/UCzz9P5QwGkRUesDpCOHMCOA
[6] https://github.com/dccuchile/CC6205
[7] http://newsletter.ruder.io/issues/nlp-progress-restrospectives-and-look-ahead-new-nlp-courses-independent-research-initiatives-interviews-lots-of-resources-217744
[8] https://web.cs.hacettepe.edu.tr/~aykut/classes/spring2019/cmp722/

Session Chair, Midwest Speech and Language Days, 2019

Funding Agency Panelist/Reviewer
National Science Foundation, 2021
National Science Foundation, 2020
National Science Foundation, 2019

Program Committees
Major Conferences:
(NAACL 2021; 2019) Conference of the North American Chapter of the Association for Computational Linguistics
(EACL 2021) Annual Meeting of the European Chapter of the Association for Computational Linguistics
(ACL 2021; 2020; 2019) Annual Meeting of the Association for Computational Linguistics
(AAAI 2021) Association for the Advancement of Artificial Intelligence, *Senior Program Committee*
(IJCAI 2021) International Joint Conferences on Artificial Intelligence, *Senior Program Committee*
(EMNLP 2020; 2019) Conference on Empirical Methods in Natural Language Processing

Targeted Conferences:
(LREC 2020) Language Resources and Evaluation Conference
(CoRL 2019) Conference on Robot Learning
(AAMAS 2019) International Conference on Autonomous Agents and Multiagent Systems
(LDK 2019) Conference on Language, Data and Knowledge

Workshops:
(SpLU-RoboNLP 2021; 2019) Combined Workshop on Spatial Language Understanding & Grounded Communication for Robotics
(ACL SRW 2020) ACL 2020 Student Research Workshop

External Reviewer
(CHI 2019) ACM CHI Conference on Human Factors in Computing Systems

Journal Reviewing
Computer Speech and Language, 2021
Neurocomputing, 2019

Conference Volunteer
(EMNLP 2017) Empirical Methods in Natural Language Processing
(IJCAI 2015) International Joint Conference on Artificial Intelligence

Internal Service	**University of Illinois at Chicago**
	Departmental Committee Memberships:

University of Illinois at Chicago
Departmental Committee Memberships:
Graduate Admissions Committee (2021–Present)
Undergraduate Committee (2020–Present)
NSF Broadening Participation in Computing Committee (2020)

Ph.D. Advisor:
Ankit Aich (Current), *University of Illinois at Chicago (UIC)*
Mina Valizadeh (Current), *UIC*
Mohammad Arvan (Current), *UIC*
- Recipient, 2020 Provost's Graduate Research Award
Pardis Ranjbar-Noiey (Current), *UIC*
Shahla Farzana (Current), *UIC*
Usman Shahid (Current), *UIC*

M.S. Thesis Advisor:
Yatri Modi (Successfully Defended 3/3/2020), *University of Illinois at Chicago (UIC)*
Alberto Bellini (Successfully Defended 12/13/2019), *UIC*
Flavio Di Palo (Successfully Defended 12/12/2019), *UIC*

Ph.D. Committees:
Sarit Adhikari (Preliminary Exam: Forthcoming), *Computer Science, University of Illinois at Chicago (UIC)*
Ja Eun Yu (Preliminary Exam: Forthcoming), *Computer Science, UIC*
Jianguo Zhang (Preliminary Exam: Spring 2021), *Computer Science, UIC*
Ye Liu (Preliminary Exam: Spring 2021), *Computer Science, UIC*
Shaika Chowdhury (Preliminary Exam: Spring 2021), *Computer Science, UIC*
Congying Xia (Preliminary Exam: Spring 2021), *Computer Science, UIC*
Vera Kaelin (Preliminary Exam: Spring 2021), *Rehabilitation Sciences, UIC*
Sahisnu Mazumder (Preliminary Exam: Fall 2020), *Computer Science, UIC*
Natawut Monaikul (Preliminary Exam: Fall 2020), *Computer Science, UIC*
Abhinav Kumar (Preliminary Exam: Fall 2019), *Computer Science, UIC*
Krista Miller (Preliminary Exam: Fall 2019), *Psychology, UIC*
Itika Gupta (Successfully Defended 4/14/2021), *Computer Science, UIC*
Mehrnaz Najafi (Successfully Defended 2/22/2021), *Computer Science, UIC*
Felix Pambuccian (Successfully Defended 2/18/2021), *Psychology, UIC*
Mehrdad Alizadeh (Successfully Defended 5/22/2020), *Computer Science, UIC*
Zainab Al-Qurashi (Successfully Defended 4/13/2020), *Computer Science, UIC*
Lei Shu (Successfully Defended 2/10/2020), *Computer Science, UIC*
Hu Xu (Successfully Defended 2/10/2020), *Computer Science, UIC*

M.S. Thesis Committees:
Tuhin Kundu (Successfully Defended 3/10/2021), *University of Illinois at Chicago (UIC)*

Maddalena Andreoli (Successfully Defended 5/8/2020), *UIC*
Tejas Sarma (Successfully Defended 3/15/2019), *UIC*
Shoaib Khan (Successfully Defended 3/12/2019), *UIC*
Paolo Polimeno Camastra (Successfully Defended 12/11/2018), *UIC*

M.S. Project Committees:
Aldo Alvarez (Spring 2019), *University of Illinois at Chicago (UIC)*
Ashwani Khemani (Spring 2019), *UIC*
Unaiza Faiz (Spring 2019), *UIC*

WCP Chair:[9]
Tiberiu Sosea (Spring 2021), *University of Illinois at Chicago (UIC)*
Jishnu Ray Chowdhury (Fall 2020), *UIC*
Seo Yeon Park (Spring 2020), *UIC*
Mahshid Alsadat Hosseini (Spring 2020), *UIC*
Hasti Sharifi (Fall 2019), *UIC*
Yingjie Li (Spring 2019), *UIC*

WCP Committees:
Pardis Ranjbar-Noiey (Spring 2021), *University of Illinois at Chicago (UIC)*
Ankit Aich (Spring 2021), *UIC*
Shahla Farzana (Fall 2020), *UIC*
Mina Valizadeh (Spring 2020), *UIC*
Mohammad Arvan (Spring 2020), *UIC*
Neshat Mohammadi (Spring 2019), *UIC*

Additional Mentoring:
Amratya Saraswat (2021–Present), *University of Illinois at Chicago (UIC)*
Megan Herrera (2020–Present), *UIC*
Nimeesha Chan (2020–Present), *UIC*
Brian Nguyen (2020), *UIC*
Sylvia Joseph (2020), *UIC*
Hajara-Yasmin Isa (2020), *UIC*
Mariya Pasheva (2020), *UIC*
Philip Hossu (2019–Present), *UIC*
Ivana Pavlovic (2019–2020), Early Research Scholars Program, *UIC*
Jessica Borowy (2019–2020), Early Research Scholars Program, *UIC*
Noemi Andras (2019–2020), Early Research Scholars Program, *UIC*
Soyoon Lee (2019–2020), Early Research Scholars Program, *UIC*
Cade Gordon (2019–Present), *Adlai E. Stevenson High School*
Salma Kamni (2019), *Amos Alonzo Stagg High School*
Yousef Ahmed (2019), *University of Illinois at Urbana-Champaign*

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[9]Written Critique and Presentation (WCP) is the formal name for UIC's Ph.D. qualifier examination. Advisors cannot serve as chairs for their own advisees, and at least one committee member must be from outside the student's primary research area.

Panelist, *Women in Academia Panel* at WiCS' Women in Tech Week, Spring 2021

Faculty Fellow, Honors College, Fall 2020–Present

Mentor, exploreCSR Problem Solving and Research Workshop, Spring 2021, Spring 2020

Interviewer, College of Engineering Women's Scholarship Program, Spring 2020

Panelist, exploreCSR Problem Solving and Research Workshop, Fall 2019

Faculty Chaperone, Grace Hopper Celebration of Women in Computing, Fall 2019

Computer Science Marshal, UIC Commencement Ceremony, Spring 2019

Interviewer, College of Engineering Women's Scholarship Program, Spring 2019

Proposal Reviewer, Discovery Partners Institute (DPI) Seed Funding Cycle 1 Program, Winter 2018/19

University of North Texas
Mentoring:
Ajata Reddy (2018–2019), *Texas Academy of Mathematics and Science (TAMS)*

Henry Nguyen (2018-2019), *TAMS*

John Long (2018), *TAMS*

Skylar Werner (2018), *University of North Texas (UNT)*

Philip Zeng (2018), *TAMS*

Ryan Peterson (2017-2018), *TAMS*

Huram-Abi Yotchoum Nzia (2017-2018), *TAMS*

Shelby Hobohm (2016-2017), *TAMS*

Leanne Joseph (2016-2017), *TAMS*

Soujanya Geddam (2016-2017), *TAMS*

Yuri Castro (2016), *TAMS*

Zaine Khoja (2016), *TAMS*

Jacob Brunson (2015-2016), *TAMS*

Sara Adams (2015-2016), *TAMS*

Noelle Davis (2015-2016), *TAMS*

Zhaochen Gu (2015-2016), *UNT*

Adam Hair (2014-2015), *UNT*

Keerat Baweja (2013-2015), *TAMS*

Judge, UNT Showcase of Undergraduate Research in Engineering, Fall 2013

Engineering Ambassador, UNT College of Engineering, 2012-2013

Additional Outreach

Team Leader, UIC Women in CS Scavenger Hunt, Fall 2020, Fall 2019

Activity Leader, STEM Academy Middle School Summer Camp, July 2018, July 2017, July 2016

Site Facilitator, North American Computational Linguistics Olympiad, 2018, 2017, 2016, 2014

Application Reviewer, NCWIT Aspirations in Computing Award, 2017, 2015

Activity Instructor, Design Your World STEM Conference for Girls, November 2017, April 2016, March 2015

Student Group Leader, Design Your World STEM Conference for Girls, April 2017

Panelist, NCWIT Aspirations in Computing Ceremony, February 2016

Activity Leader, UNT Engineering REAL Community, October 2015

Presenter, NCWIT Aspirations in Computing Ceremony, February 2015

Affiliations   **Member**, Association for Computing Machinery
Member, Association for Computational Linguistics
Former President, UNT Women in Computing