

Angela E.B. Stewart
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angelaebstewart.com
May 26, 2025

Academic
Positions

University of Pittsburgh (September 2022 – Present)
Assistant Professor, School of Computing and Information
Research Scientist, Learning Research and Development Center

Carnegie Mellon University (August 2020 – August 2022)
Human-Computer Interaction Institute
Postdoctoral Fellow
Faculty Principle Investigator: Amy Ogan

Education

University of Colorado Boulder
Department of Computer Science and Institute of Cognitive Science
Ph.D. in Computer Science (Graduated July 2020)
Advisor: Sidney K. D'Mello

University of Notre Dame
Department of Computer Science
PhD Student in Computer Science (August 2015 – August 2017)
Advisor: Sidney K. D'Mello

Auburn University
Department of Computer Science and Software Engineering
Bachelor of Software Engineering (Graduated May 2015)
Summa Cum Laude

Awards

Best Paper, CHI Conference on Human Factors in Computing Systems, 2025

Honorable Mention, CHI Conference on Human Factors in Computing Systems, 2023

Best Paper, 10th International Conference on Learning Analytics and Knowledge, 2020

Best Student Paper, 21st ACM International Conference on Multimodal Interaction, 2019

Distinguished Student Speaker, University of Colorado Boulder Department of Computer Science Colloquia, 2018

Best Student Paper, 10th International Conference on Educational Data Mining, 2017

Intern Symposium First Place Winner, Lexmark International, 2015

Journal
Articles &
Conference
Publications
(Full Paper) –
Peer
Reviewed

1. Angela E.B. Stewart, Jaemarie Solyst, Xinyi Bao, Paras Sharma, Amanda Buddemeyer, tara Nkrumah, Amy Ogan, Erin Walker. Who's Got the Power? Data Feminism as a Lens for Designing AIED Engagement Systems. In Press for the 2025 Proceedings of the International Conference on Artificial Intelligence in Education. (AR¹ = 19%)
2. Chun Li, Jaemarie Solyst, Safiyyah Scott, Gabriella Howse, tara Nkrumah, Erin Walker, Amy Ogan, Angela E.B. Stewart. "I am a Technology Creator": Black Girls as Technosocial Change Agents in a Culturally-Responsive Robotics Camp. In 2025 CHI Conference on Human Factors in Computing Systems, CHI '25. <https://doi.org/10.1145/3706598.3713242>. (Best Paper, AR = 24.9%)
3. Chen Sun, Valerie Shute, Angela E.B. Stewart, Sidney D'Mello. The Relationship between Collaborative Problem-Solving Skills and Group to Individual Learning Transfer in a Game-based Learning Environment. In Review for the 15th International Conference on Learning Analytics and Knowledge, LAK '25. <https://doi.org/10.1145/3706468.3706560>. (AR = 30%)
4. Tricia Ngoon, Sushil Shintre, Angela E.B. Stewart, Ung-Sang Lee, Saranya Venkatraman, Neil Thawani, Prasenjit Mitra, Sherice Clarke, John Zimmerman, Amy Ogan. ClassInSight: Designing Conversation Support Tools to Visualize Classroom Discussion for Personalized Teacher Professional Development. Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems, CHI '24. <https://doi.org/10.1145/3613904.3642487>. (AR = 26.4%)
5. Sidney K. D'Mello, Nicholas D. Duran, Amanda Michaels, Angela E.B. Stewart. Improving Collaborative Problem Solving Skills via Automated Feedback and Scaffolding: A Quasi-Experimental Study with CPSCoach 2.0. User Modeling and User Adapted Interaction, UMUAI. <https://doi.org/10.1007/s11257-023-09387-6>. (IF² = 4.68)
6. Yinmiao Li, Jennifer Nwogu, Amanda Buddemeyer, Jaemarie Solyst, Jina Lee, Erin Walker, Amy Ogan, Angela E.B. Stewart. I Want to Be Unique from Other Robots: Positioning Girls as Co-Creators of Social Robots in Culturally-Responsive Computing Education. Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems, CHI '23. <https://doi.org/10.1145/3544548.3581272>. (AR = 28%)
7. Jaemarie Solyst, Shixian Xie, Ellia Yang, Angela E.B. Stewart, Motahhare Eslami, Jessica Hammer, Amy Ogan. I Would Like to Design: Black Girls Analyzing and Ideating Fair and Accountable AI. Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems, CHI '23. <https://doi.org/10.1145/3544548.3581378>. (AR = 28%) (Honorable Mention)
8. Amanda Buddemeyer, Jennifer Nwogu, Jaemarie Solyst, Erin Walker, tara Nkrumah, Amy Ogan, Leshell Hatley, Angela E.B. Stewart. Unwritten Magic: Participatory Design of AI Dialogue to Empower Marginalized Voices. Proceedings of the 2022 ACM Conference on Information Technology for Social Good, GoodIT 2022. <https://doi.org/10.1145/3524458.3547119>. (AR = 44%)
9. Jaemarie Solyst, Alexis Axon, Angela E.B. Stewart, Motahhare Eslami, Amy Ogan. Investigating Middle School Girls' Perspectives and Knowledge Gaps on Ethics and Fairness in Artificial Intelligence in a Lightweight Workshop. Proceedings of the 16th International Conference of the Learning Sciences, ICLS 2022. <https://doi.org/10.48550/arXiv.2302.13947>. (AR = 33%)
10. Jaemarie Solyst, tara Nkrumah, Angela E.B. Stewart, Amanda Buddemeyer, Erin Walker, and Amy Ogan. Running an Online Synchronous Culturally Responsive Computing Camp for Middle School Girls. Proceedings of the 27th Conference on

¹ When applicable, acceptance rate (AR) of the conference is indicated.

² When applicable, Impact Factor (IF) of the journal is indicated.

Innovation and Technology in Computer Science Education.
<https://doi.org/10.1145/3502718.3524747>. (AR = 29%)

11. Stephen Hutt, [Angela E.B. Stewart](#), Julie Gregg, Stephen M. Mattingly, Sidney K. D'Mello. Breaking free from the lab: Feasibility of longitudinal eye-gaze tracking in the workplace. Proceedings of the 13th ACM Symposium on Eye Tracking Research and Applications, ETRA '22. <https://doi.org/10.1145/3530889>.
 12. Jaemarie Solyst, tara Nkrumah, [Angela E.B. Stewart](#), Jina Lee, Erin Walker, Amy Ogan. Understanding Instructors' Cultivation of Connectedness in K-12 Online Synchronous Culturally Responsive STEM and Computing Education. Proceedings of the 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing, CSCW '22. <https://doi.org/10.1145/3555759>. (Average AR for CSCW = 26%)
 13. Samuel L. Pugh, Arjun Ramesh Rao, [Angela E.B. Stewart](#), Sidney K. D'Mello. Do Speech-based Collaboration Analytics Generalize Across Task Contexts? Proceedings of the 12th International Conference on Learning Analytics and Knowledge, LAK '22. <https://doi.org/10.1145/3506860.3506894>. (AR = 30%) (Best Paper Nominee)
 14. Chen Sun, Valerie J. Shute, [Angela E.B. Stewart](#), Quinton Beck-White, Caroline Reinhardt, Nicholas D. Duran, Sidney K. D'Mello. The Relationship between Collaborative Problem Solving Processes and Objective Outcomes in a Game-based Learning Environment. Computers in Human Behavior. <https://doi.org/10.1016/j.chb.2021.107120>. (IF = 9.0)
 15. Samuel Pugh, Shree Krishna Subburaj, Arjun Ramesh Rao, [Angela E.B. Stewart](#), Jessica Andrews-Todd, and Sidney K. D'Mello. Say what? Automatic modeling of collaborative problem solving skills from student speech in the wild. Proceedings of the Fourteenth International Conference on Educational Data Mining, EDM '21. (AR = 22%)
 16. [Angela E.B. Stewart](#), Zachary Keirn, and Sidney K. D'Mello. Multimodal modeling of collaborative problem solving in triads. User Modeling and User Adapted Interaction, 2021. <https://doi.org/10.1007/s11257-021-09290-y>. (IF = 4.68)
 17. Shree Krishna Subburaj, [Angela E.B. Stewart](#), Arjun Ramesh Rao, Sidney K. D'Mello. Multimodal, multiparty modeling of collaborative problem solving performance. Proceedings of the 2020 International Conference on Multimodal Interaction, ICMI '20. <https://doi.org/10.1145/3382507.3418877>. (AR = 41%)
 18. [Angela E.B. Stewart](#), Mary J. Amon, Nicholas D. Duran, and Sidney K. D'Mello. Beyond team makeup: Diversity in teams predicts valued outcomes in computer-mediated collaborations. Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems, CHI '20. <https://doi.org/10.1145/3313831.3376279>. (AR = 24%)
 19. Hana Vrzakova, Mary J. Amon, [Angela E.B. Stewart](#), Nicholas D. Duran, and Sidney K. D'Mello. Focused or stuck together: Multimodal patterns reveal triads' performance in collaborative problem solving. Proceedings of the 10th International Conference on Learning Analytics and Knowledge, LAK '20. <https://doi.org/10.1145/3375462.3375467>. (Best Paper, AR = 31%)
 20. [Angela E.B. Stewart](#), Hana Vrzakova, Chen Sun, Jade Yonehiro, Cathlyn A. Stone, Nicholas D. Duran, Valerie J. Shute, and Sidney K. D'Mello. I say, you say, we say: Using spoken language to model socio-cognitive processes during computer-supported collaborative problem solving. Proceedings of the 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing, CSCW '19. <https://doi.org/10.1145/3359296>. (AR = 31%)
 21. Lucca Eloy, [Angela E.B. Stewart](#), Mary J. Amon, Caroline Reinhardt, Amanda Michaels, Chen Sun, Valerie J. Shute, Nicholas D. Duran, and Sidney K. D'Mello. Modeling team-level multimodal dynamics during multiparty collaboration.
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Proceedings of the 21st ACM International Conference on Multimodal Interaction, ICMI '19. <https://doi.org/10.1145/3340555.3353748>. (Best Student Paper, AR = 22%)

22. Hana Vrzakova, Mary J. Amon, [Angela E. B. Stewart](#), and Sidney K. D'Mello. Dynamics of visual attention in multiparty collaborative problem solving using multidimensional recurrence quantification analysis. Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems, CHI '19. <https://doi.org/10.1145/3290605.3300572>. (AR = 24%)
 23. Chen Sun, Valerie J Shute, [Angela E.B. Stewart](#), Jade Yonehiro, Nicholas D. Duran, and Sidney K. D'Mello. A generalized competency model of collaborative problem solving. Computers and Education 2019. <https://doi.org/10.1016/j.compedu.2019.103672>. (IF = 5.30)
 24. [Angela E.B. Stewart](#), Zachary A. Keirn, and Sidney K. D'Mello. Multimodal modeling of coordination and coregulation patterns in speech rate during triadic collaborative problem solving. Proceedings of the 20th ACM International Conference on Multimodal Interaction, ICMI '18. <https://doi.org/10.1145/3242969.3242989>. (AR = 15.4%)
 25. [Angela E.B. Stewart](#) and Sidney K. D'Mello. Connecting the dots towards collaborative AIED: Linking group makeup to process to learning. Proceedings of the 19th International Conference on Artificial Intelligence in Education, AIED '18. https://doi.org/10.1007/978-3-319-93843-1_40. (AR = 25%)
 26. [Angela E.B. Stewart](#), Nigel Bosch, and Sidney K. D'Mello. Generalizability of face-based mind wandering detection across task contexts. Proceedings of the 10th International Conference on Educational Data Mining, EDM '17. (Best Student Paper, AR = 25%)
 27. [Angela E.B. Stewart](#), Nigel Bosch, Huili Chen, Patrick Donnelly, and Sidney K. D'Mello. Face forward: Detecting mind wandering from video during narrative film comprehension. Proceedings of the 18th International Conference on Artificial Intelligence in Education, AIED '17. https://doi.org/10.1007/978-3-319-61425-0_30. (AR = 30%)
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Conference
Publications
(Short Paper,
Extended
Abstract) –
Peer
Reviewed

28. Jaemarie Solyst, Mandy Yiliu Pan, Abigail Andam, Irene Portillo-Poblete, Motahhare Eslami, Jessica Hammer, Amy Ogan, [Angela E.B. Stewart](#). Critical AI Literacy through Exploring Generative AI Limitations. In Press for Proceedings of the 2025 Annual Meeting of the Annual Meeting of the International Society of the Learning Sciences, ISLS'25.
 29. Siobahn Day Grady, Stephen Hutt, Karla Badillo-Urquiola, Gloria Opoku-Boateng Osardu, [Angela E.B. Stewart](#), Eiad Yafi. Creating an equitable CHI - What does it mean to be an ally? Extended Abstracts of the CHI Conference on Human Factors in Computing Systems, CHI'24. <https://doi.org/10.1145/3613905.3643976>.
 30. Paras Sharma, Veronica Bella, [Angela E.B. Stewart](#), Erin Walker. Multimodal Sensing of Goals and Processes During Interactions With a Co-created Robot. Proceedings of the 19th European Conference on Technology Enhanced Learning, ECTEL'24. https://doi.org/10.1007/978-3-031-72312-4_22. (AR = 46%)
 31. Paras Sharma, [Angela E.B. Stewart](#), Qichang Li, Krit Ravichander and Erin Walker. Building Learner Activity Models From Log Data Using Sequence Mapping and Hidden Markov Models. Proceedings of the 2024 International Conference on Educational Data Mining, EDM'24.
 32. [Angela E.B. Stewart](#), Arjun Rao, Amanda Michaels, Chen Sun, Nicholas D. Duran, Valerie J. Shute, Sidney K. D'Mello. CPSCoach: The Design and Implementation of Intelligent Collaborative Problem Solving Feedback. Proceedings of the 24th International Conference on Artificial Intelligence in Education, AIED'23. https://doi.org/10.1007/978-3-031-36272-9_58. (AR = 21%)
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33. Jennifer Nwogu, Amanda Buddemeyer, Rosta Farzan, [Angela E.B. Stewart](#), Erin Walker. Comic-Boarding with Children: Understanding the use of Language in Human-Human and Human-Agent Dialogue. Proceedings of the 22nd ACM Interaction Design and Children Conference, IDC 2023. <https://doi.org/10.1145/3585088.3593896>. (AR = 29%)
 34. Zhen Wu, Amanda Buddemeyer, [Angela E.B. Stewart](#), Erin Walker. I Dance Too: Girls Identity Reflections with a Social Robot. Proceedings of the 54th ACM Technical Symposium on Computer Science Education, SIGCSE '23. <https://doi.org/10.1145/3545947.3576222>. (AR = 67%)
 35. Jaemarie Solyst, tara Nkrumah, [Angela E.B. Stewart](#), Amanda Buddemeyer, Erin Walker, Amy Ogan. Insights from Virtual Culturally-Responsive Computing Camps. Proceedings of the 53rd ACM Technical Symposium on Computer Science Education, SIGCSE '22. <https://doi.org/10.1145/3478432.3499136>. (AR = 64%)
 36. [Angela E.B. Stewart](#), Jaemarie Solyst, Amanda Buddemeyer, Leshell Hatley, Sharon Henderson-Singer, Kimberly Scott, Erin Walker and Amy Ogan. Explaining engagement: Learner behaviors in a virtual coding camp. Proceedings of the 22nd International Conference on Artificial Intelligence in Education, AIED'21. https://doi.org/10.1007/978-3-030-78270-2_60. (AR = 63%)
 37. Stephen Hutt, Jessica Hardey, Robert Bixler, [Angela E.B. Stewart](#), Evan Risko, and Sidney K. D'Mello. Gaze-based detection of mind wandering during lecture viewing. Proceedings of the 10th International Conference on Educational Data Mining, EDM '17. (AR = 42%)
 38. [Angela E.B. Stewart](#), Nigel Bosch, Huili Chen, Patrick J. Donnelly, and Sidney K. D'Mello. Where's your mind at? Video-based mind wandering detection during film viewing. Proceedings of the 2016 Conference on User Modeling Adaptation and Personalization, UMAP '16. <https://doi.org/10.1145/2930238.2930266>. (AR = 41%)
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Workshop
Proceedings
- Peer
Reviewed

39. Michelle Lui, Luettamae Lawrence, Camillia Matuk, Areej Mawasi, [Angela E.B. Stewart](#), Tomohiro Nagashima, Man Su, Yael Kali and Christopher Hoadley. Grappling with the Ethics of Co-designing Technology-based Learning Environments in Proceedings of the 2025 Annual Meeting of the International Society of the Learning Sciences, ISLS'25.
 40. [Angela E.B. Stewart](#), Rosta Farzan, Catherine Delcourt. Towards a Unified Framework for Responsible Social Computing Undergraduate and Graduate Education in [Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing, CSCW'24](#).
 41. [Angela E.B. Stewart](#), Caitlin Mills and Stephen Hutt. Marrying Asset- and Deficit-Based Approaches: A Data Feminist Perspective in Learning Analytics. [Joint Proceedings of LAK 2024 Workshops, LAK'24](#).
 42. [Angela E.B. Stewart](#), LuEttaMae Lawrence, Nikki Lobczowski, Stephen Hutt. Knowing Your ABCs: Asset Based Communication for Actionable Learning Interventions. Workshop Proceedings of the 20th Biennial Conference of the European Association on Learning and Instruction, EARLI'23.
 43. Sidney K. D'Mello, [Angela E.B. Stewart](#), Mary J. Amon, Chen Sun, Nicholas D. Duran, Valerie J. Shute. Towards dynamic intelligent support for collaborative problem solving. [Approaches and Challenges in Team Tutoring Workshop](#) at the 20th International Conference on Artificial Intelligence in Education, AIED '19.
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Invited
Papers

44. [Angela E.B. Stewart](#). [The Black Girls' Computing Classroom](#). [ACM Interactions](#), Volume 31, Issue 3.
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Talks

Invited Speaker, Equity-Centered R&D: Why We Need It and How to do It at Learning Analytics and Knowledge (LAK'25), Spring 2025.

Invited Keynote, Building Resilient Institutions: Adapting to Changes in Higher Education and Minnesota State, Artificial Intelligence in Higher Education: Moving Towards Student and Instructor Agency, Summer 2024.

Invited Panelist, Corbetta Lecture on Artificial Intelligence: the Present and Future of AI. Opportunities, Concerns and Threats, University of Pittsburgh Greensburg, Spring 2024.

Invited Expert Testimony, Pennsylvania Advisory Committee to the United States Commission on Civil Rights, The Rising Use of Artificial Intelligence in Education, Spring 2024.

Invited Speaker, Carnegie Mellon University & University of Pittsburgh Micro-Course on Technology, Humanity, and Social Justice, Spring 2023.

Invited Panelist, How Universal Design for Learning can Inform Human-Centered Design in Learning Analytics, Learning Analytics and Knowledge (LAK'23), Spring 2023.

Invited Panelist, Advancing the Science of Collaboration through AI, Empowering Learners for the Age of AI (ELAI'22), Fall 2022.

Invited Speaker, University of Illinois Urbana-Champaign, Spring 2022

Invited Speaker, Colorado School of Mines, Fall 2021

Invited Speaker, University of Pittsburgh School of Computing and Information, Fall 2021

Invite Spotlight Speaker, Michigan AI Symposium, Fall 2021

Invited Panelist, Blacks in Technology YP CoNext@ASU, Spring 2021

Human-Computer Interaction Institute Seminar Series, Carnegie Mellon University, Fall 2020

Invited Talk, MIRRORLab Student Speaker Series, Summer 2020

Department of Computer Science Colloquia, University of Colorado Boulder, Fall 2019

Posters

Angela E.B. Stewart, Hana Vrzakova, Chen Sun, Jade Yonehiro, Cathlyn Adele Stone, Nicholas D. Duran, Valerie J. Shute, and Sidney K. D'Mello. I say, you say, we say: Using language to model shared knowledge construction during collaborative problem solving. Computing Research Association Grad Cohort for Underrepresented Minorities and People with Disabilities, CRA-URMD '19.

Angela E.B. Stewart, Nigel Bosch, and Sidney K. D'Mello. Detecting mind wandering during film viewing. Tapia Celebration of Diversity in Computing, Tapia '17.

	<u>Angela E.B. Stewart</u>, Nigel Bosch, Huili Chen, Patrick J. Donnelly, and Sidney K. D'Mello. Video-based mind wandering detection during film viewing. Computing Research Association Grad Cohort for Women, CRA-W '17.
Teaching Experience	Undergraduate Social Computing, Primary Instructor, University of Pittsburgh, Spring 2023, Spring 2024, Spring 2025. Anti-Black Racism: History, Ideology, and Resistance, Anti-Black Racism in Algorithmic Technologies, Invited Module Designer, University of Pittsburgh, Spring 2024. Graduate Seminar: The Machines are Taking Over – Power, Identity, and the Social Impact of AI, Primary Instructor, University of Pittsburgh, Fall 2023. LRDC-UCTL Video Series: Equity & Engagement in the STEM Classroom, Module Creator, University of Pittsburgh, Fall 2023. Information Science Intro to PhD, Guest Lecturer, University of Pittsburgh, Fall 2023, 2024. Introduction to Artificial Intelligence: Ethics in AI, Invited Discussant, University of Denver, Fall 2022. Foundations of Human-Computer Interaction, Guest Lecture, University of Pittsburgh, Spring 2022. Human-Computer Interaction for Education, Guest Lecture, Carnegie Mellon University, Spring 2022. Nonlinear Dynamics: Mathematical and Computational Approaches, Teaching Assistant, Sante Fe Institute, Spring 2019 Nonlinear Dynamics: Mathematical and Computational Approaches, Course Instructor, Sante Fe Institute, Fall 2018 Data Structures, Teaching Assistant and Lab Section Primary Instructor, University of Colorado Boulder, Fall 2017
Research Funding	Connectedness Through Social Technologies: Toward a Framework for Adolescent Black Girls in Informal Learning Settings. Learning Research and Development Center - School of Education Internal Grants Program, 2024 - 2026. Co-PI with PI Khirsten Scott \$70,000³ Learner-Co-Created Social Robots for Supporting Girls' Development of AI and Computing Skills, National Science Foundation Advancing Informal STEM Learning, 2024 - 2027. PI with Co-PI Erin Walker and Co-PI Amy Ogan \$1,156,140 (shared with Erin Walker)

³Indicates total cost of the grant awarded to Angela Stewart

Empowering Youth Agency and Meaning-Making for Adaptivity: Building an Integrative Theoretical Framework & Measurement Tool for Agency Development, Jacobs Foundation Young Scholar Program, 2024 - 2026.

PI with PI Christina Kandrak

60,000 CHF (~\$66,520 USD)

Black Girls as Creators: An Intersectional Learning Ecosystem Toward Gendered Racial Equity in Artificial Intelligence Education, National Science Foundation Racial Equity in STEM Education, 2023 - 2028.

Co-PI with PI tara Nkrumah, Co-PI Ericka Roland, and Co-PI Tany Haynes

\$1,299,715

Identity Reflections and Learning with a Social Robot for Black, Latinx, and Indigenous Girls, ISLS Emerging Scholars, 2022 - 2023.

PI

\$10,000

Deans Graduate Assistantship, University of Colorado Boulder, 2017

\$21,800

Computer Science Departmental Fellowship, University of Colorado Boulder, 2017

\$3,000

Dean's Fellowship, University of Notre Dame, 2015

\$95,400

GEM Fellowship, National GEM Consortium, 2015

\$40,000

Travel
Funding

Jacobs Foundation Conference Travel Funding, 2023

\$1,800

SIGCHI Student Travel Grant, ACM - Special Interest Group on Human-Computer Interaction, 2019

\$1,800

Departmental Conference Scholarship, University of Colorado Boulder Computer Science Department, 2019

\$1,200

CRA Grad Cohort Workshop for URMD, Computing Research Association, 2019

\$1,000

Conference Funding, AIED Society, 2018

\$1,500

Conference Funding, AIED Society and EDM Society, 2017

\$1,500

CRA-W Grad Cohort Workshop, Computing Research Association, 2017

\$1,000

	Tapia Celebration of Diversity in Computing Scholarship, National Science Foundation, 2017 \$1,000 CRA-W Grad Cohort Workshop, Computing Research Association, 2016 \$1,000 Tapia Celebration of Diversity in Computing Scholarship, IBM, 2016 \$1,000
Selected Media Mentions	Mentioned Scholar, CMU at CHI 2025, 2025 Invited Guest, The Inclusion Interchange: OEDI's Podcast Equity, Diversity, & Inclusion, 2024 Interviewed Expert, The Hype and Hope of Generative AI in Education, 2024 Featured Scholar, Black Voices in Computing Augmented Reality Exhibit, University of Pittsburgh, 2023 Interviewed Expert, SoLAR Spotlight–Conversations on Learning Analytics: Diversity and Inclusion in Learning Analytics Research, 2021 Mentioned Scholar, HCII Researchers To Study Improving Algorithm, Computer Science Education as Part of CERES Network, 2021
University Service	Department of Informatics & Networked Systems Seminar Organizer, LRDC Colloquium Co-Organizer, University of Pittsburgh, 2025 School-Level Course Creation - Intro to HCI, University of Pittsburgh Co-Created with Raquel Coelho, Aakash Gautham, and Na Du SCI-LRDC Search Committee for AI and Learning Sciences Tenure-Track Faculty, University of Pittsburgh, 2023 – 2024 LRDC Internship Mentor, University of Pittsburgh, 2024 TRIO McNair Scholars Mentor, University of Pittsburgh, 2023 - 2024 PittInclusion Mentor, University of Pittsburgh, 2023 PhD Admitted Students Days, University of Pittsburgh, 2023 - 2024 Co-Organizer with Rosta Farzan PhD Admissions Committee, University of Pittsburgh, 2023 - 2025 SCI Tech Fellows Advisor, University of Pittsburgh, 2022 - 2024
Conference Organization	Doctoral Consortium Chair, Educational Data Mining (EDM), 2025 Co-Chair with Min Chi and Neil Heffernan Workshop Chair, Educational Data Mining, 2022 Co-Chair with Steven Bradley

Associate Chair, ACM CHI Conference on Human Factors in Computing Systems
Learning Education and Families Subcommittee, 2022 - 2024

Equitable Learning Analytics Panel Organizer, Learning Analytics and Knowledge,
2021

Co-Organized with Caitlin Mills and Laura Allen

Workshop Chair, Learning Analytics and Knowledge, 2021

Co-Chair with Caitlin Mills and Paul Prinsloo

Academic
Service

Invited Expert, NSF Level Up AI, 2025

Grant Panelist, Institute for Educational science, 2024

Grant Panelist, National Science Foundation, 2022

Program Committee, International Society of the Learning Sciences Annual Meeting,
2025, 2022 - 2023

Program Committee, Learning Technologies for Equality, Diversity, and Inclusion
Workshop (LearnTec4EDI), 2021

Program Committee, Learning Analytics and Knowledge, 2021

Program Committee, Learning at Scale, 2021

Society for Learning Analytics Research Diversity and Inclusion Working Group, 2020 -
2022

Program Committee, Artificial Intelligence in Education (AIED), 2025, 2021, 2020

Program Committee, Educational Data Mining (EDM), 2020, 2017

Program Committee, International Conference on Multimodal Interaction (ICMI),
2020, 2019

PhD Student Recruitment Committee, University of Colorado Boulder, 2020, 2019

Faculty Search Panel of PhD Students, University of Colorado Boulder, 2019

Local Committee, International Conference on Multimodal Interaction, 2018

PhD Student Recruiter, Colorado Advantage Graduate School Preview Weekend,
2018

Reviewer: Journal of Computing in Higher Education; Computers in Human Behavior;
Technology, Mind, and Behavior; International Society of the Learning Sciences
Annual Meeting (ISLS); International Conference on Human Factors in Computing
Systems (CHI); Human-Robot Interaction (HRI); Computer-Supported Cooperative
Work and Social Computing (CSCW); Educational Data Mining (EDM); Artificial
Intelligence in Education (AIED); Transactions on Learning Technologies; British
Journal of Educational Technology; Computers and Education; Journal of Learning
Analytics

External Service	Board of Directors, Aucitat, 2018 – 2021
	Science Fair Judge, Colorado STEM Academy, 2019, 2020
	PhD Student Facilitator, University of Colorado Boulder Girls Who Code, 2019
	AI & Machine Learning Curriculum Lead, The Coding School, 2018 - 2019
	Computer Science Outreach Instructor & Organizer, University of Notre Dame, 2016 – 2017
	Co-Organized with Tijana Milenković
	Core Curriculum Developer, The Coding School, 2016 – 2017
	Black Graduate Student Association Treasurer, University of Notre Dame, 2016 – 2017
	CS Workshop Organizer, University of Notre Dame Expanding Your Horizons, 2018
	Co-Organized with Tijana Milenković
	Science Fair Judge, Northern Indiana Regional Science Engineering Fair, 2016
	Web Development Instructor, Saint Joseph Public Library, 2015 - 2016
	Pre-College Initiatives Chair, Auburn University NSBE, 2014 – 2015
Graduate and Undergraduate Student Mentorship	STEM Tutor, Auburn University NSBE, 2014 – 2015
	A Walk for Education Volunteer, Auburn University NSBE, 2014
	Black Girls' Technosocial Change Agency
	Graduate Students: Chun Li (2023 - Present), Safiyyah Scott (2022 - 2025)
	Undergraduate Students: Gabriella Howse (2022, 2024 - 2025)
	Black Girls' Co-Creation, Joy, and Self-Expression in a Culturally-Responsive Computing Camp
	Graduate Students: Hobart Asare (2025 - Present)
	Undergraduate Students: Cole Balay (2025 - Present), Ashawnti Buckner (2024), Angeline Pho (2023 - 2024), Paige Branagan (2023), Jahzara Taylor (2023), Krishna Naik (2023)
	A Longitudinal Analysis of Black Girls' Agency and Meaning-Making in a Culturally-Responsive Computing Camp
	Graduate Students: YuePing Sha (2023 - Present), Jennifer Nwogu (2024 - Present), Ye Deng (2024 - Present), Norah Almousa (2024 - 2025), Jay Gilmore (2024)
	Undergraduate Students: Campbell Martinez (2023 - 2024)
	Teacher Professional Development for Gendered Racial Equity in AI Education
	Graduate Students: Marina Basu (2023 - 2025)
	Undergraduate Students: Chukwudalu Chiemekwe Dumebe Kachikwu (2024 - Present), Zoha Aziz (2024)
	AI Storytelling: Informal Education Experiences for Racial Equity
	Graduate Students: Hubert Asare (2024 - Present)

	Undergraduate Students: Eraste Boko (2024 - Present)
	Designing a Meaning-Making Dialogue System to Support Critical Consciousness Development Graduate Students: Ye Deng (2024 - Present) Undergraduate Students: Helena Turnes Steffens (2024 - 2025), Britney Lu (2024 - Present), Amyia Singh (2024 - Present), Austin Gohn (2024)
	CompuBold Website Development Undergraduate Students: Dominic Galatis (2024 - Present), Siyena Gezahegn (2024 - Present), Fernando Seanez (2024 - Present), Jonathan Hunter Reed (2024 - Present)
	Asset-Based Voice Agent Design for Black Older Adults Graduate Students: Jennifer Nwogu (2025)
	Facilitators Enactment of Culturally-Responsive Computing Graduate Students: Mohammed Alkhabbaz (2024) Undergraduate Students: Morgan Engel (2024)
	Equitable AI in Education through Asset-Based Engagement Interventions Graduate Students: Xinyi Bao (2023 - 2025), Rojin Taheri (2023) Undergraduate Students: Shivangi Tiwari (2023), Ben Farbo (2023), KeQing Jiang (2023)
	Graduate Students Techno-Social Change Agency Undergraduate Students: Diana Randall (2023 - 2024), Dominic Galatis (2024), Siyena Gezahegn (2024), Fernando Seanez (2024), Jonathan Hunter Reed (2024)
	Power, Identity, and Co-Creation with a Virtual Social, Programmable Robot Graduate Students: Demi Lee (2021), Favour Adesina (2022), Mabel Tsado (2022), Linda Xue (2022), Christina Steele (2022) Undergraduate Students: Nicole Xiang (2022), Jina Lee (2020 - 2021), Nolani Kennedy-Smith (2021), Jennifer Nwogu (2021)
	Teacher Agency in Classroom Discussions Undergraduate Students: Daniel Noh (2020 - 2021), Stephanie Eristoff (2021), Vaishnavi Gorantla (2021)
	Multimodal Machine Learning for Collaborative Problem Solving Graduate Students: Arjun Rao (2020), Krishna Subburaj (202), Ashwin Vasan (2019) Undergraduate Students: Cooper Steputis (2019 - 2020), Erin Clark (2019 - 2020), Caroline Reinhardt (2018 - 2020), David Blair (2017 - 2020), Samantha Scaglione (2017), Mae Raab (2016), Eugene Choi (2016)
	Nonlinear Dynamics for Collaborative Problem Solving Graduate Students: Lucca Eloy (2018 - 2019)
Industry Experience	User Experience Design Intern, Lexmark International, 2016
	Firmware Engineering Intern, Lexmark International, 2015