

Emily Jensen
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EDUCATION	PhD in Computer Science and Cognitive Science <i>University of Colorado Boulder</i>	2018 - Present
	MS in Computer Science <i>University of Colorado Boulder</i>	2022
	BS in Mathematics, summa cum laude BA in Cognitive Science, summa cum laude <i>Case Western Reserve University</i>	2018
RESEARCH	Journeyman Fellow <i>Army Research Lab, HRED</i>	Summer 2022 - Present
	Research Assistant Appointment <i>University of Colorado Boulder</i>	Fall 2018 - Spring 2022
	Undergraduate Researcher <i>REU at Florida Institute of Technology</i>	Summer 2017

PUBLICATIONS

In Review

Journal paper submission to Clinical Psychological Science.

Full paper submission to Intelligent Transportation Systems Conference.

2022

Leite, W.L., Roy, S., Chakraborty, N., Michailidis, G., Huggins-Manley, A.C., D'Mello, S.K., Faradonbeh, M.K.S., **Jensen, E.**, et al. (2022) *A novel video recommendation system for algebra: An effectiveness evaluation study*. Proceedings of the 12th International Learning Analytics and Knowledge Conference (LAK22). doi:10.1145/3506860.3506906.

D'Mello, S.K., and **Jensen, E.** (2022). *Emotional Learning Analytics*. Handbook of Learning Analytics. doi:10.18608/hla22

2021

Villanueva, C.M., Ibonie, S.G., **Jensen, E.**, et al. (2021). *Emotion differentiation and bipolar disorder risk in young adults before and during the COVID-19 pandemic:*

An experience-sampling approach. Poster abstract accepted to the 2021 Society for Research in Psychopathology (SRP) Annual Conference.

Jensen, E., et al. (2021). *What You Do Predicts How You Do: Prospectively Modeling Student Quiz Performance Using Activity Features in an Online Learning Environment.* Proceedings of the Learning Analytics and Knowledge 2021 (LAK21) Conference. doi:10.1145/3448139.3448151 [runner-up for best paper award]

Jensen, E., Pugh, S.L., and D'Mello, S.K. (2021). *A Deep Transfer Learning Approach to Automated Teacher Discourse Feedback.* Proceedings of the Learning Analytics and Knowledge 2021 (LAK21) Conference. doi:10.1145/3448139.3448168

2020

Jensen, E., et al. (2020). *Toward Automated Feedback on Teacher Discourse to Enhance Teacher Learning.* Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2020). doi:10.1145/3313831.3376418

2019

Jensen, E., Hutt, S., and DMello, S.K. (2019). *Generalizability of Sensor-Free Affect Detection Models in a Longitudinal Dataset of Tens of Thousands of Students.* Proceedings of the 12th International Conference on Educational Data Mining (EDM 2019). International Educational Data Mining Society. [link to paper]

2018

Bryan, K.J., Solomon, M., **Jensen, E.**, et al. (2018). *Classification of Rail Switch Data Using Machine Learning Techniques.* ASME/IEEE Joint Rail Conference, 2018 doi:10.1115/JRC2018-6175.

PRESENTATIONS

2021

Navigating the Computer Science PhD. (August 20, 2021). CU Boulder Graduate Orientation, virtual.

Financial Basics. (August 18, 2021). CU Boulder Graduate Orientation, virtual.

What You Do Predicts How You Do: Prospectively Modeling Student Quiz Performance Using Activity Features in an Online Learning Environment. (April 14, 2021). Conference talk at Learning Analytics and Knowledge 2021 Conference, virtual.

A Deep Transfer Learning Approach to Automated Teacher Discourse Feedback. (April 14, 2021). Conference talk at Learning Analytics and Knowledge 2021 Conference, virtual.

2020

Toward Automated Feedback on Teacher Discourse to Enhance Teacher Learning. (April 15, 2020). Poster at CU Boulder Institute of Cognitive Science, Boulder, CO.

2019

Generalizability of Sensor-Free Affect Detection Models in a Longitudinal Dataset of Tens of Thousands of Students. (July 5, 2019). Conference talk at Educational Data Mining 2019 Conference, Montréal, Canada.

Generalizability of Sensor-Free Affect Detection Models. (April 18, 2019). Poster presentation at CU Boulder Graduate Research Expo, Boulder, CO. [won best presentation]

Generalizability of Sensor-Free Affect Detection Models. (April 12, 2019). Poster presentation at CRA-W Grad Cohort, Chicago, IL.

TEACHING

Summer 2022

Summer Intensive Research Internship in Cyber-Physical Systems at University of New Mexico (facilitator)

- Continuation of Summer 2021 workshop.

Introduction to Computational Thinking

- Co-developed and organized weekly pilot workshop for graduate students.
- Created syllabus and presented topics such as logical flow, creating functions, and project management.
- Presented examples in Python and R.

Summer 2021

Summer Intensive Research Internship in Cyber-Physical Systems at University of New Mexico (facilitator)

- Developed 3-hour workshop on introductory data analysis using Python.
- Created lesson plan, follow-along materials, detailed solutions, and facilitated live (virtual) workshop.

Spring 2021

CSCI 3202: Introduction to Artificial Intelligence. (Teaching Assistant)

- Taught subjects such as search, machine learning, and reinforcement learning.

- Responsibilities included developing quizzes and projects, holding office hours, and facilitating study sessions.

Fall 2020

CSCI 5100/6100: Computer Science Colloquium. (Teaching Assistant)

- Taught strategies for interacting with technical talks from a variety of research areas.
- Responsibilities included providing feedback on student responses and questions to the colloquium talks.

CSCI 6000: Introduction to the Computer Science PhD Program. (Teaching Assistant)

- Taught basic research skills and strategies to be successful in the program.
- Responsibilities included providing feedback on reading responses and organizing panels of current and recently graduated students.

SERVICE AND LEADERSHIP

Computer Science Graduate Student Association

<i>Representative to graduate student government</i>	Fall 2018 - Spring 2019
<i>Student member of faculty search committee</i>	Spring 2019
<i>Student member of department Graduate Committee</i>	Fall 2019 - Spring 2020
<i>Developed and analyzed survey of grad student well-being</i>	Spring 2019, 2020
<i>Vice Chair</i>	Spring 2020 - Fall 2020
<i>Chair</i>	Spring 2021 - Fall 2021

Graduate and Professional Student Government

<i>Computer Science department representative</i>	Fall 2018 - Spring 2019
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- Served on travel awards committee
- Served on graduate housing advisory committee

<i>Graduate Senator to CU Student Government</i>	Fall 2018 - Spring 2019
<i>Director of Communications</i>	Fall 2019 - Present
<i>President of Engagement</i>	Fall 2021 - Present

ACM International Conference on Multimodal Interaction

<i>Conference Webchair</i>	2018
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Educational Data Mining Conference

<i>Program Committee Member</i>	2022
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Reviewer: AIED (2020, 2021), CHI (2021), L@S (2021), EDM (2022), Computers & Education (2022)

OUTREACH AND MENTORSHIP

Masters Students	
• Tetsumichi Umada	2019-2020

Undergraduate Students	
• Xuefei Sun	2019
High School Students	
• Conner Malley	2019
• Tanishqa Puhan	2021
Graduate Peer Mentor	2019, 2020
Science Fair Judge at Colorado STEM Academy	2019, 2020
Tech Help Facilitator at Boulder Public Library	2019 - Present

AFFILIATIONS	Association for Computing Machinery/SIGCHI	
	Phi Beta Kappa Academic Honor Society, <i>Ohio Alpha Chapter</i>	
	Pi Mu Epsilon National Honorary Mathematics Society, <i>Ohio Sigma Chapter</i>	
	Phi Sigma Rho engineering sorority, <i>Omicron Chapter</i>	
	• National Ritual Director	2021 - Present

HONORS AND AWARDS	David T. Spalding Graduate Teaching Fund Fellowship Award <i>University of Colorado Boulder</i>	2022
	Graduate and Professional Student Government Travel Grant <i>University of Colorado Boulder</i>	2021
	Outstanding Service Award <i>University of Colorado Boulder</i>	2020
	Department Student Travel Award <i>University of Colorado Boulder</i>	2020
	Best Research Poster <i>University of Colorado Boulder</i>	2019
	Computer Science Departmental Fellowship <i>University of Colorado Boulder</i>	2018
	Webster Godman Simon Mathematics Award <i>Case Western Reserve University</i>	2018
	President's Commendation for outstanding service <i>Phi Sigma Rho National Sorority</i>	2017
	Phi Beta Kappa Prize for outstanding sophomore in liberal arts and sciences <i>Case Western Reserve University</i>	2016