Emily Jensen
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EDUCATION

PhD in Computer Science and Cognitive Science
University of Colorado Boulder 2018 - Present

MS in Computer Science
University of Colorado Boulder 2022

BS in Mathematics, summa cum laude
BA in Cognitive Science, summa cum laude
Case Western Reserve University 2018

RESEARCH

Research Assistant Appointment
University of Colorado Boulder Fall 2018 - Present

Undergraduate Researcher
REU at Florida Institute of Technology Summer 2017

PUBLICATIONS

In Review

D'Mello, S.K., and **Jensen, E.** *Emotional Learning Analytics.* Submitted to Handbook of Learning Analytics.

Full paper submission to International Conference on Cyber-Physical Systems.

2022

To appear at Learning Analytics and Knowledge 2022 Conference: *A novel video recommendation system for algebra: An effectiveness evaluation study*

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. *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. *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 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

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

Graduate and Professional Student Government

Computer Science department representative — Fall 2018 - Spring 2019

- Served on travel awards committee
- Served on graduate housing advisory committee

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

ACM International Conference on Multimodal Interaction

Conference Webchair — 2018

Reviewer: AIED (2020, 2021), CHI (2021), L@S (2021)

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, *Ohio Alpha Chapter*

Pi Mu Epsilon National Honorary Mathematics Society, *Ohio Sigma Chapter*

Phi Sigma Rho engineering sorority, *Omicron Chapter*
- National Ritual Director — 2021 - Present

HONORS AND AWARDS

Graduate and Professional Student Government Travel Grant
University of Colorado Boulder — 2021

Outstanding Service Award
University of Colorado Boulder 2020

Department Student Travel Award
University of Colorado Boulder 2020

Best Research Poster
University of Colorado Boulder 2019

Computer Science Departmental Fellowship
University of Colorado Boulder 2018

Webster Godman Simon Mathematics Award
Case Western Reserve University 2018

President's Commendation for outstanding service
Phi Sigma Rho National Sorority 2017

Phi Beta Kappa Prize for outstanding sophomore in liberal arts and sciences
Case Western Reserve University 2016