PAIGE HANSEN

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EDUCATION

Colorado State University, Fort Collins, CO   GPA 4.0
Computer Science BS   Expected Fall 2023
Dean's List   2020-Present
Mentored Research and Artistry Distinction   Expected Fall 2023

RESEARCH EXPERIENCE

Undergraduate Research Assistant   Fall 2021-Present
Colorado State University, Computer Science Department – Dr. Nikhil Krishnaswamy
Project developing an AI agent to assist middle school teachers with groupwork.
- **Software Engineering** Developed multiple pipelines for collecting and processing user data. Pipelines included automatic speech recognition, data collection GUI (back- and front-end, currently in use at four data collection sites across the country), stereo vision.
- **Machine Learning/Computer Vision** Established calibration protocol for stereo vision using Microsoft Kinect SDK and OpenCV.
- **Project Management** Led data collection. Published two peer-reviewed research papers.

PEER-REVIEWED PUBLICATIONS

Bradford, Mariah, **Paige Hansen**, J. Ross Beveridge, Nikhil Krishnaswamy, and Nathaniel Blanchard. "A Deep Dive into Microphone Hardware for Recording Collaborative Group Work." In *Proceedings of the Conference on Educational Data Mining (EDM)*, 2022.
Presented at EDM 2022, Durham University UK, and CURC 2022, Colorado State University

Bradford, Mariah, **Paige Hansen**, Kenneth Lai, Richard Brutti, Rachel Dickler, Leanne M. Hirshfied, James Pustejovsky, Nathaniel Blanchard, and Nikhil Krishnaswamy. "Challenges and Opportunities in Annotating a Multimodal Collaborative Problem-Solving Task." In *Proceedings of Bridging AIEd 2022*, 1–6. Durham, England: Springer, 2022.
Presented at AIEd 2022, Durham University UK, July 2022.

TECHNICAL SKILLS

Programming: Python, Java, C, C++, JavaScript, HTML, CSS, PHP
Applications: Visual Studio Enterprise, Visual Studio Code, Eclipse, Postman
APIs, Libraries, Frameworks: TensorFlow, PyTorch, Scikit-learn, Matplotlib, Microsoft Azure Kinect SDK, Pandas, NumPy, Google ASR, React, RESTful, SKLearn, MatPlotLib, FuelPHP
Other: Agile Software Development, Git and Github, Scrum, CMNI