iLumiDance + Code:
Coding + Dance curriculum for K-20

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Coding + Dance: What we're doing

iLumiDance Workshops, Camps & Courses

- Students problem-solve to develop a dance featuring puppets and lights, utilizing a Blockly-based interface
- Each student is tasked with coordinating lights and choreography of a single puppet piece to music
- Students work in teams to coordinate a dance for all six pieces of the puppet

Coding + Dance: Community Outreach & Increasing Representation

"I really was expecting us to do some normal coding, like we do at school. But, this was totally different. It's more hands-on. And, I think if we did more of this, more girls would take coding."

-McKenna Johnson (8th grader at 2019 Workshop)

Coding + Dance: Future Steps

- Fall 2019: First Year Seminar offered at WOU featuring code and dance combination
- Exploring partnerships with Oregon Coast & High Desert STEM Hub
- Exploring various grants, including NSF CS for All & Oregon Sea Grant
- Continuing to collect data and improve the workshops and software
- Eventually release the software as open source & develop an accompanying app