Computing in the Arts: Multidisciplinary Making @ UNC Asheville

Linking Technology and Society (SENCER) with Project-Based Learning

art + technology: sculpture (art majors) and creative fabrication (computer science, mechatronics, and new media majors) collaborate to design and build assistive technology

computer science + new media + physics + mathematics + middle school teachers and students: cs1, software engineering, and interdisciplinary students build 7th math and science games

computer science + new media: cs0 students create electronic origami, scratch games representing native american mythology, cookie cutters from game characters, and el-wire hoodies

UNC Asheville
Susan Reiser + Rebecca Bruce
2016 workshop: Tangible Computing

• New Media Department founded in 1998 (BA Degree)
• Animation, Interactive, and Video concentrations
• Art, Computer Science, and Engineering offer courses

College of Charleston
Bill Manaris
2015 workshop: Model Curriculum

• CITA program founded 2011 (BA degree)
• Art, Music, and Theater concentrations
• CITA is one of several degrees offered by the Computer Science Department

Wake Forest University
Jennifer Burg
2014 workshop: Music & Images

• Stand-alone Computer Science Department courses link computer science, music, and art
• Faculty collaboration with NC School of the Arts

NSF TUES: 3 liberal arts colleges with 3 approaches to Computing in the Arts (CITA) held 3 hands-on workshops to foster a community of CITA educators

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