

Code+Art

Expanding creative coding opportunities
at NCSU Libraries



CODE+ART

STUDENT VISUALIZATION CONTEST

Compute your aesthetic and
show your work at Hunt.
\$1,750 in cash prizes.

Code+Art

- contest for students hosted by NCSU Libraries, sponsored by Christie Digital Systems (maker of MicroTiles)
- gain attractive student-designed visualizations for large-scale video walls
- build awareness about creative coding on campus

Creative coding: making art with code.

contest structure in 2014-2015:
proposal process
project development
final judging

Outcomes:

- Two sophisticated student-created art pieces for Libraries video walls
- Faculty contacts

“Fractal Forest”



“WKNC Visualizer”



Improvement goals
for 2016:

increase student participation,
faculty involvement
& diversity

Challenge:

Pool of students who already make art
with code is very small.

coders+artists??

2 new faculty hires in the field of design
computing / interactive gaming and
animation
@ the Design School

Changes to allow for more contest submissions:

- no initial proposal process
- more types of entries allowed not requiring code

Creative coding workshop

- 70% female, over 50% humanities & design students.

Creative coding Hackathon

- 90% male, 80% computer science students

Creative coding lunch group

- 50/50 female to male

How Does Gender Affect One's Willingness To Compete?

Updated March 3, 2016 · 4:53 PM ET

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SHANKAR VEDANTAM



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All Things Considered

5:01

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New social science research suggests highly competitive settings are likely to dissuade qualified women from tossing their hats in the ring.

NPR story aired March 1, 2016 <http://www.npr.org/2016/03/01/468751715/how-does-gender-affect-ones-willingness-to-compete>

The larger point from the study is that high-stakes competitions may not be the best way to identify talent

the most talented may not be competing

Outcomes so far in 2016:
modest but meaningful gains in
numbers of women, international
students, students of color & non-
coders participating

more work to do:
shift from contest focus \Rightarrow
inclusive programming

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