Creative Coding 1

Daria Tsoupikova
Angus Forbes
Anil Camci

http://creativecoding.evl.uic.edu/2016
Creative Coding

Instructors
Daria Tsoupikova, Angus Forbes, Anil Camci

Course syllabus
http://creativecoding.evl.uic.edu/2016

Lab page
http://creativecoding.evl.uic.edu
Creative Coding

Course Goals:

- To become familiar with contemporary tools in computational expression.
- To survey topics in computer graphics, VR, audio, and new media arts
- To work collaboratively to create meaningful creative coding projects at the intersections of culture and technology
Structure of Class

Meets once a week for 3 hours. Mixed lecture and lab, with an in-class focus on introducing programming and software concepts:

- Informative and thorough, rather than comprehensive
- Programming tutorials, collaborative exercises; planning & developing projects
Structure of Class

Three separate modules:

1 – VR and 3D graphics with Unity
2 – DataVis and Web programming with D3.js and Javascript
3 – Audio Programming and signal processing with Cycling ’74 Max
Structure of Class

- Students from Design and Computer Science

- Graduate students and undergraduate students

- Work in mixed teams on three different projects throughout the semester
Projects

Project based
- you will be involved in three projects which have both a technical component and a conceptual component.
- projects should be novel and clearly illustrate a technical and/or conceptual contribution.
- each project needs to be documented with a website, video, and code.
D3.js for interactive datavis

- Javascript framework for designing web applications for interacting with data
- Convenient methods for loading, parsing, filtering, sorting, and presenting data
- Has become a popular way for presenting creative representations of data.
Data rhetoric

In addition to introducing you the coding aspects of D3, we’ll explore projects that use interactive design to think about effective ways of exploring a narrative of data.

- not just showing the data, but providing a way for sometime to think critically about and be challenged by the data.