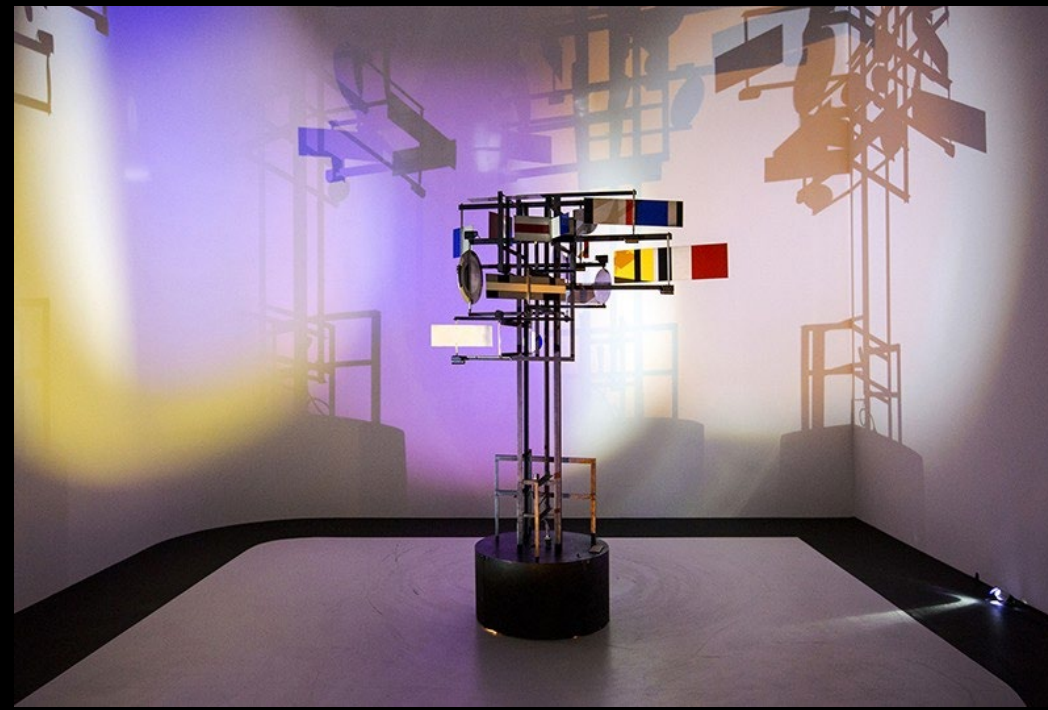
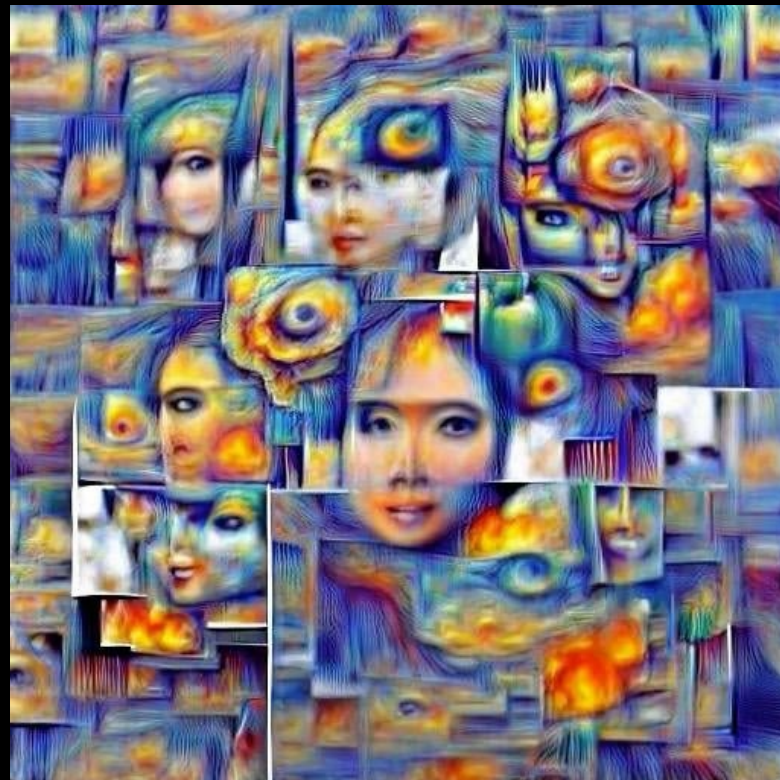


STA 491: Poetic Computation

Fall 2021



Agenda

- **Welcome!**
- **Introductions**
- **What is Poetic Computation?**
- **Class & Syllabus Review**
- **Create WordPress Account**
 - **Complete In-class Exercise 0**
- **Intro to p5.js**

#aboutme

Abhishek Narula

Assistant Professor – Electronic Art & Intermedia / XA

**machine & computational aesthetic
sculpture & installation**

U of M – MFA

Georgia Tech – MS & BS Electrical Engineering

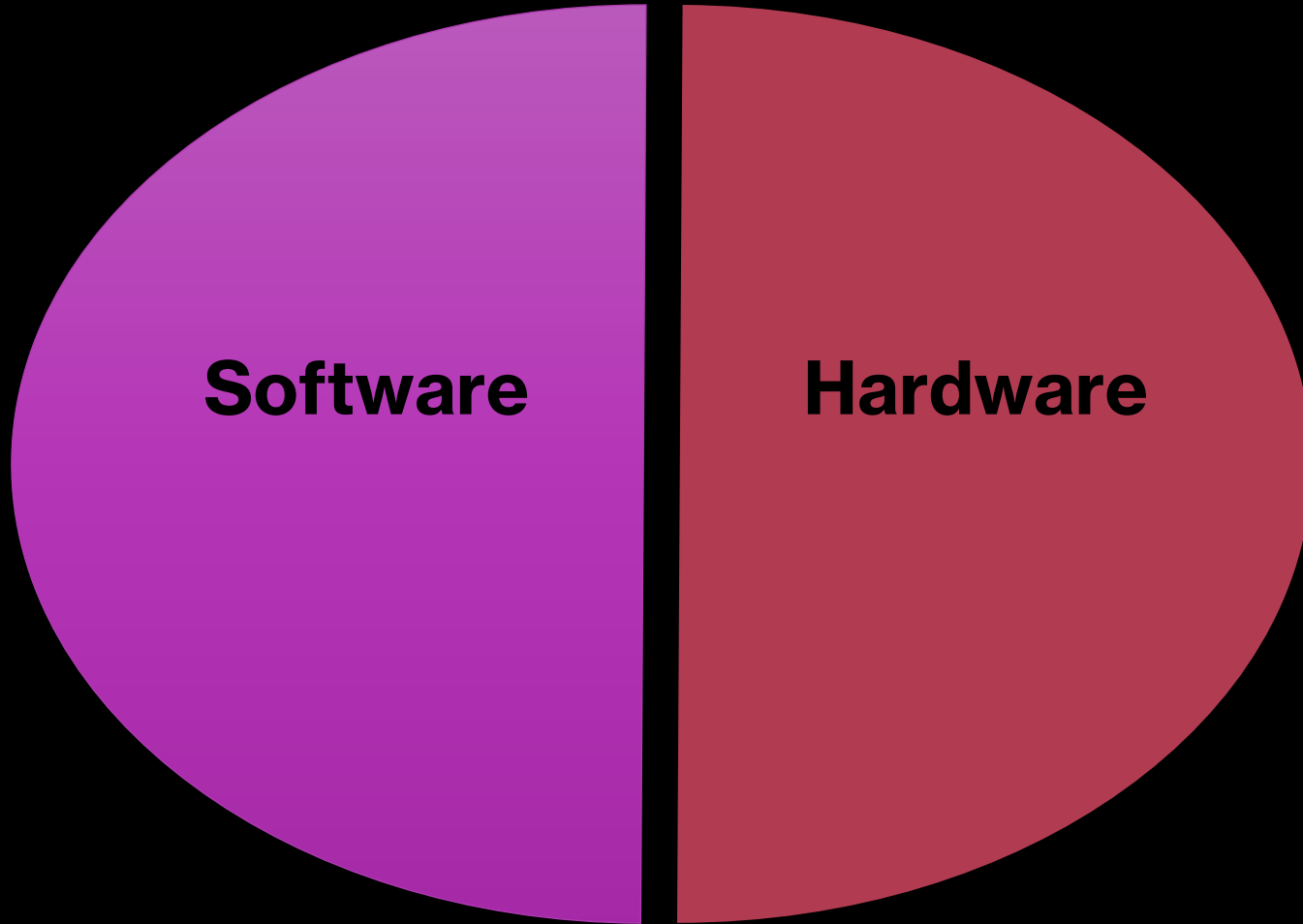
Introductions

- **Name / Preferred pronoun**
- **Major / Year**
- **Describe your creative practice?**
- **Why are you here? / What do you hope to get out of this class?**
- **What is your experience with programming or electronics?**
- **What is your experience with building stuff?**

What is *Poetic Computation?*

What is
Computation
a Computer?

What is ~~Computation~~ a Computer?



The main challenge is trying to create work that touches people at an emotional level, as opposed to them thinking about the technology or wondering about how it was made. Making poems, not demos, is how we refer to it, i.e. making work that is like a poem, short yet dense, re-tellable, rhythmic, meaningful as opposed to a demo that feels like technology for technology's sake.

-- Zachary Lieberman, in *iDN*

The goal of this class is...

- To make art & design experiences/objects that engages with culture in thoughtful and provocative ways.
- To use software and electronics as a 'medium'
- To learn and approach our medium as crafting materials to execute our ideas.

Technical Platforms

- **p5.js – JavaScript Visual programming language**
- **Processing – Java Visual programming language**
- **Arduino – Hardware programming**

Themes

- **Generativity.** Meta-creation and infinite variation. Things that make things.
- **Immersivity & Interactivity.** We will see different forms of immersion and systems that respond in a unique, open-ended, and tightly coupled way to the actions of its participant .
- **Transmediality.** The transformation and transmutation of signals; information visualization and sonification. Revealing new truths.
- **Artificial Life.** The illusion of life.

Class Structure

- **Studio Art Course**
- **MW 11:30 – 2:20 pm**
 - **Lecture/Tech Demos/Presentations ~ 60 mins**
 - **Break ~ 20/30 mins**
 - **Studio Work ~ 60/90 mins**
- **Kresge Art Center Room 5**
 - **Card Access Form – I will email you**
- **Class website: <https://sta491pc.com/>**

COVID STATEMENT

Syllabus Review

What you should expect from me...

- **Clear and frequent communication**
- **Clear requirements of each assignment/project**
- **Enthusiasm to teach/learn in every class**
- **Updated Website**
- **Resource for both technical and creative questions**

What I should expect from you...

- **Clear and frequent communication**
- **Enthusiasm to teach/learn in every class**
- **Keep track all deadlines**
- **Planning for projects**
- **Practice, Practice & Practice**
- **Be brave....**

Be Brave!



<https://www.youtube.com/watch?v=S32bgx36G-0>

Create WordPress Account

**Send me your
username so I can add
you to the class website**

A peek at p5.js