

andrew cotter

computational art + design

Professional Experience

2021 – Present

Creative Coder @ Meta

Reifying new methods of sharing on the Facebook platform through SparkAR.

2018 - 2021

Freelance Creative Technologist

Crafted graphics, networking, and physical computing solutions for clients to bring exhibits and brand activations to life through interactive software.

Clients Include:

- Local Projects
- Red Paper Heart
- Active Theory
- LAB @ Rockwell Group

2017

Coding Intern @ Red Paper Heart

Worked in collaboration with the design team to program/build interactive installations and experiences for commercial clients using openFrameworks and Arduino.

2014 - 2016

Interaction Developer @ Night Kitchen

Lead design/development research by exploring new tools for the web and exhibit experiences and demonstrated prototypes and findings to the rest of the team.

Teaching Experience

2021 – Present

Adjunct @ NYU Integrated Design & Media

Classes: Creative Coding, Advanced Creative Coding with WebGL

2018 - 2020

Adjunct @ Parsons Design & Technology

Classes: Creativity and Computation, Creative Coding with Unity

contact

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Core Competencies

Creative Coding

I approach writing code like writing poetry- a careful balance of attentive functionality and technical expression with the aim of opening up the audience to the world around them.

Design Research

The first step to solving a problem is understanding it. By investigating a problem's domain and context through research, observation, and interviews, a succinct solution can be discovered.

Skills

Adept

- Unity3D (C#)
- WebGL (Three.js, Pixi.js, ReGL)
- Arduino/Physical Computing
- Node.js/Electron
- Front-End Web (HTML/CSS/JS)
- SparkAR

Intermediate

- Shaders (GLSL/HLSL)
- Nannou (Rust Lang)
- Clojure/ClojureScript
- openFrameworks/Cinder(C++)
- Adobe CC (esp. Ps, Ai, Id, Lr)

Familiar

- Vue.js Ecosystem (Nuxt, Vuex/Pinia, Router)
- iOS/Swift (UIKit, SwiftUI)
- Python/Jupyter Notebook

Education/Honors

2018

MFA Design & Technology @ Parsons

President of Dorkshop, a student-lead skill-exchange organization

2014

BS Industrial Design @ University Of The Arts

President of Literary Society

2010

Attained The Rank Of Eagle Scout

BSA Troop 139