



# Matt Nichols

Software Engineering • Creative Prototyping • Interactive Multimedia

Apr '23 - Now

## Independent Work

- Co-founding Good Wording. Starting in late 2023, we built a unique web app for daily journaling, with generative visualizers and AI tools for deeper understanding. I co-owned architecture & design, and I built our frontend (SvelteKit, TipTap, WebGL). We're moving on, but learned a ton along the way.
- Developing algorithmic art concepts for live visuals & print media, and building an open-source platform for these projects. Interactive portfolio available here.

Jul '17 - Apr '23

## Meta Creative Coder

- Hybrid design/eng role on the Sound Design team; advanced IC4 to IC6 (staff).
- Developed prototypes to explore new interactive multimedia design opportunities (via Svelte, P5.js, Web Audio, MediaPipe, Max/MSP, Colab, Spark).
- Shipped audio-focused AR experiences with IG and other creative partners.
- Guided development for audio tooling and infrastructure in Spark AR.
- Spoke at Abbey Road Studios, the AES conference, and GameSoundCon.

Aug '16 - Jul '17

## Facebook Software Engineer

- Built tooling and infrastructure for multimedia effects in our cross-platform AR engine (Objective-C, C++, Swift, OpenGL).
- Designed and implemented video processing effects (OpenGL / GLSL).

Oct '15 - Jul '16

## Eyegroove Software Engineer

- Built a video creation tool & social app as one of three iOS engineers (Swift).
- Projects included: a fully-featured direct messaging experience, a framework for purchasing premium tools, perf & stability work, and creating video filters.

Jul '13 - Oct '15

## Twitter Software Engineer

- Focused on onboarding as an iOS engineer on the Growth team (Objective-C).
- Projects included: app-wide phone number integrations, a framework for alerts and user education, and a full rewrite of our sign-in and user onboarding flows.

2009 - 2013

## Brown University B.S. Computer Science

- Bachelor of Science in Computer Science, additional focus in Creative Writing.
- Undergraduate TA for CS15 and CS16 (Intros to Object-Oriented Programming and Algorithms & Data Structures). Head TA for CS168 (Computer Networks).
- Summer internships at Microsoft (PM; 2011) and Twitter (Engineering; 2012).

Portfolio and more at [flatpickles.com](https://flatpickles.com)

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