Anthony James Padavano

SYSTEMS ARTIST & COMPUTATIONAL CREATIVE PRACTICE

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LINKS

Portfolio · Omni-Dromenon Engine · ORGANVM System · GitHub

PROFILE

LGBTQ+ systems artist whose primary medium is creative infrastructure — governance architectures, participatory performance systems, and computational tools treated as artistic practice. Creator of the ORGANVM project: 103 repositories across 8 GitHub organizations with automated governance, documented in 42 published essays (~142K words). Creator of the Omni-Dromenon Engine, a real-time audience-participatory performance system with genre presets for ballet, theatre, opera, electronic music, and installation. 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students.

TECHNICAL SKILLS

SuperCollider · Max/MSP · OSC · WebAudio · p5.js · WebGL · D3.js · TypeScript · React 18 · Node.js · Express · Socket.io · Python · Astro · Docker · Git · GitHub Actions · CI/CD · pnpm Monorepos

SELECTED PROJECTS

ORGANVM Eight-Organ Creative-Institutional System
103 repositories across 8 GitHub organizations functioning as a single sustained creative work. Automated dependency governance, promotion state machine, 82+ CI/CD pipelines, 2,349+ tests. 42 published essays (~142K words) documenting practice with pedagogical transparency. Single-practitioner infrastructure using AI as compositional instrument — the system itself is the artwork, governance made visible and publicly accountable.

Omni-Dromenon Engine — Audience-Participatory Performance System
TypeScript pnpm monorepo: Express/Socket.io core with three-axis weighted consensus (spatial, temporal, cluster), React 18 performer/audience interfaces, OSC bridge to SuperCollider/Max/MSP, WebAudio synthesis. Four working examples (generative music, visual, choreographic interface, theatre dialogue). Five genre presets. Performer override (absolute/blend/lock). 1,000+ concurrent participants, <2ms P95 latency. Festival rider, venue playbooks, collaboration agreements. Open-source MIT.

Portfolio & Generative Art
Astro 5 site with real-time generative p5.js visual layer, D3.js data visualizations, Pagefind search, CMYK design system. 20 case studies documenting creative and technical practice.

Application Pipeline — Structured Creative Production Tools
Python CLI tooling: 8-dimension scoring rubric, campaign orchestrator, YAML state machine, batch processing, conversion analytics. Infrastructure treating the administrative labor of independent creative practice as a design problem.

EXPERIENCE

Independent Systems Artist
2020 — Present

- **Eight-Organ System:** Architected 103-repository creative system across 8 GitHub organizations with automated governance, cross-organization coordination, and public documentation practice (42 essays, ~142K words) — a sustained single-practitioner creative work treating infrastructure as artistic medium.
- **Omni-Dromenon Engine:** Designed and built audience-participatory performance infrastructure — consensus algorithms, React interfaces, audio synthesis bridge, genre-specific examples for ballet, theatre, opera, electronic music, and installation.
- **Public Writing:** 42 published essays documenting creative infrastructure with pedagogical transparency — making artistic and technical decision-making processes visible as ongoing community-facing practice.
- **AI-Augmented Methodology:** Production workflow using AI as compositional instrument for code generation, architectural iteration, and editorial refinement — analogous to conducting, where creative intelligence is structural.

Instructor — Composition & Writing
2015 — Present

Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State

- 100+ graduate and undergraduate courses across 8 institutions; 2,000+ students.
- 85% above-average achievement; 92% approval rating; 97% completion rate.

Multimedia Specialist
2011 — 2020

AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca

- Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, $2M in fundraising.

Digital Marketing Manager
2023 — 2024

Miami Dade College Foundation (nonprofit)

- Rebuilt foundation website; designed fundraising campaigns increasing donor engagement by 32%.

EDUCATION

M.F.A. Creative Writing, Florida Atlantic University — 2015 — 2018
B.A. English Literature, CUNY College of Staten Island — 2010 — 2014

CERTIFICATIONS

Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)