

Anthony James Padavano

SYSTEMS ARTIST & INDEPENDENT ENGINEER (S+T+ARTS NEXUS)

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LINKS

[Portfolio](#) · [Omni-Dromenon Engine](#) · [ORGANVM System](#) · [GitHub](#)

PROFILE

Independent systems artist and infrastructure engineer exploring the aesthetic and innovative potential of autonomous governance, recursive architecture, and agentic orchestration. Creator of the "ORGANVM Metasystem," a 103-repository living sculpture representing a fundamental shift in digital production at the nexus of science, technology, and the arts. Specialist in "Infrastructure Art," translating deep technical rigor into scannable "Storefront" narratives. Focused on the performative nature of CI/CD pipelines and the choreography of solo production at institutional scale. MFA Creative Writing, 18 years professional experience. LGBTQ+.

TECHNICAL SKILLS

Systems Art · Autonomous Governance · S+T+ARTS Nexus Innovation · Technical Storytelling · TypeScript · Python · CI/CD Choreography · Multi-Agent Orchestration · D3.js · p5.js · Data Visualization · Schema Validation · Software Architecture · Pedagogical Design · Public Process Documentation · MFA Creative Writing

SELECTED PROJECTS

ORGANVM Eight-Organ System — 103-Repository S+T+ARTS Corpus

A unified technical and narrative infrastructure encompassing 21K code files and 810K+ words of documentation. Governed by a formal promotion state machine and automated dependency validation. Features 128 GitHub Actions workflows representing the work's "metabolism." A live demonstration of the "Art as Catalyst" philosophy.

agentic-titan — Multi-Agent Orchestration & Eval Framework

TypeScript framework for orchestrating complex, multi-step engineering and creative tasks across autonomous agents. Includes 18 development phases and 1,276 tests. Engineered to explore high-reliability tool invocation as a choreographic score.

MET4MORFOSES — Immersive MFA Thesis Experience

Immersive 8-mode web experience featuring a 3D node map, AI oracle, and generative audio. Built with Next.js 16 + React Three Fiber. An exploration of narrative transformation through the lens of frontier technology.

Application Pipeline — Systems Analysis & Advocacy Suite

Python-based CLI suite for pipeline orchestration: 8-dimension scoring rubric and YAML-driven state machine. Automates intake, research, and synthesis tasks, translating deep technical evidence into scannable storefront materials.

Portfolio — Performance-Grade Scannable Interface

Astro 5 site governed by a CI/CD "quality ratchet" that enforces strict validation standards. Represents the scannable "Storefront" for 42 published technical essays (~142K words) documenting the intersection of art and tech.

EXPERIENCE

Independent Systems Artist & Infrastructure Engineer

2020 — Present

- **Nexus Innovation:** Designed a 103-repository system where governance and automated validation serve as the primary artistic medium; bridging the gap between science and creative expression.
- **Infrastructure Performance:** Built a corpus of 2,349+ automated tests across 94 active repositories, utilizing technical correctness as a form of aesthetic verification.
- **Agentic Composition:** Pioneered an "AI-conductor" methodology using 32 specialized AI agent definitions as compositional instruments to drive solo production at institutional scale.
- **Technical Advocacy:** Published ~810K+ words of documentation and essays, documenting the real-time intersection of model capabilities and engineering rigor.

Instructor — Writing & Complex Systems

2015 — Present

Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State
• 100+ courses across 8 institutions; 2,000+ students. Mentoring practitioners in technical rigor and translating complex S+T+ARTS concepts into accessible pedagogical content.

Multimedia Specialist & Digital Strategist

2011 — 2024

AJP Media Arts — clients incl. MDC Foundation, Boca Ballet Theatre

- Produced high-volume visual and narrative campaigns; generated 17.5M+ views through the intersection of technical production and storytelling.

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)