

Anthony James Padavano

SYSTEMS ARTIST & INTERDISCIPLINARY PRACTICE

New York City | 561-602-7300 | padavano.anthony@gmail.com

LINKS	Portfolio · Omni-Dromenon Engine · ORGANVM System · GitHub	
PROFILE	Systems artist working at the intersection of computation, performance technology, and public discourse. Creator of the ORGANVM project — 103 repositories across 8 GitHub organizations with automated governance, treating infrastructure itself as creative medium. Creator of the Omni-Dromenon Engine, a real-time audience-participatory performance system spanning ballet, theatre, opera, electronic music, and installation. 42 published essays (~142K words) documenting creative practice with pedagogical transparency. 18 years professional experience. MFA Creative Writing. 11 years college instruction, 2,000+ students. LGBTQ+.	
TECHNICAL SKILLS	SuperCollider · Max/MSP · OSC · WebAudio · p5.js · WebGL · D3.js · TypeScript · React 18 · Node.js · Express · Socket.io · WebSocket · Python · Zod · Vitest · Docker · Redis · Astro · Vite · pnpm Monorepos · CI/CD · GitHub Actions · Git	
SELECTED PROJECTS	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 spanning generative music, visual art, choreographic interface, and 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.	
	ORGANVM Eight-Organ Creative-Institutional System 103 repositories across 8 GitHub organizations — a single creative work operating as institutional infrastructure. Automated dependency governance, promotion state machine, 82+ CI/CD pipelines, 2,349+ tests. 42 published essays (~142K words) making the creative process publicly visible. Single-practitioner system using AI as compositional instrument.	
	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 bridging technical and artistic documentation.	
	Application Pipeline — Structured Creative Production Tools Python CLI tooling: 8-dimension scoring rubric, campaign orchestrator, YAML state machine, batch processing, conversion analytics. Infrastructure treating creative-administrative labor as a systems design problem.	
EXPERIENCE	Independent Systems Artist & Creative Technologist 2020 — Present <ul style="list-style-type: none">• Omni-Dromenon Engine: Designed and built audience-participatory performance infrastructure spanning multiple disciplines — consensus algorithms, React interfaces, audio synthesis bridge, genre-specific examples for ballet, theatre, opera, electronic music, and installation.• 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) — infrastructure as artistic medium.• Public Writing: 42 published essays documenting creative infrastructure with pedagogical transparency — making artistic and technical decision-making processes visible to broad audiences.• 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 <i>Miami Dade College, Keiser University, Nova Southeastern, FAU, Young Harris, Tarrant County, Broward, Palm Beach State</i> <ul style="list-style-type: none">• 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 <i>AJP Media Arts — clients incl. Boca Ballet Theatre, Forward Funding, Arts in Boca</i> <ul style="list-style-type: none">• Video, audio, and visual campaigns for nonprofits and arts organizations; 17.5M+ views, \$2M in fundraising.	
	Digital Marketing Manager 2023 — 2024 <i>Miami Dade College Foundation (nonprofit)</i> <ul style="list-style-type: none">• 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)	