

Anthony James Padavano

Creative Technologist

 New York City  padavano.anthony@gmail.com  4444j99.github.io/portfolio  4444j99

Summary

Creative technologist and artist-engineer with 10+ years across multimedia production, digital marketing, and systems design. Builds autonomous creative systems and treats their governance as artistic medium — most recently shipping an eight-organ orchestration system coordinating 81 repositories across 8 GitHub organizations with ~320K words of public documentation. MFA in Creative Writing; Google-certified in UX Design, Digital Marketing, and Project Management; Meta Full-Stack Developer.

Skills

Languages: Python, TypeScript, JavaScript, Go, Rust, Bash, SQL

Frameworks: Node.js, Astro, React, Next.js, FastAPI, Express

AI / ML: LLM orchestration, multi-agent systems, prompt engineering, RAG pipelines

Infrastructure: GitHub Actions, CI/CD, Docker, PostgreSQL, Git

Creative: p5.js, generative art, audio synthesis, interactive installations

Governance: Registry design, dependency validation, state machines, documentation systems

selected projects

The Eight-Organ System

2024 – Present

- Designed orchestration architecture coordinating theory, art, commerce, community, and marketing as a single governed system
- Built machine-readable registry, automated dependency validation (31 edges, zero back-edge violations), and promotion state machine
- Authored ~320K words of public documentation; 5 GitHub Actions workflows for autonomous governance

Recursive Engine (RE:GE)

2024 – Present

- Implemented 21 organ handlers translating epistemological frameworks into executable code with a ritual syntax DSL
- 1,254 tests, 85% coverage; myths, identities, and recursive structures as first-class computational objects

Agentic Titan

2024 – Present

- Polymorphic agent swarm architecture across 6 self-organizing topologies with 22 agent archetypes
- 1,095+ tests across 18 implementation phases

AI-Conductor Model

2024 – Present

- Developed the workflow producing ~320K words: AI generates volume, human directs and refines
- Includes quality gates, template compliance validation, and automated link checking across 81 repos

Generative Music System

2024 – Present

- Translates symbolic narrative events into live generative music — recursion as counterpoint, identity transformations as harmonic movement

Experience

Independent, Creative Technologist

- Designed and launched the eight-organ orchestration system coordinating 81 repositories across 8 GitHub organizations with automated dependency validation and ~320K words of documentation
- Built recursive-engine (1,254 tests, 85% coverage) — a symbolic operating system translating epistemological frameworks into executable Python
- Developed generative art and music systems, interactive installations, and AI-conductor workflow for human-AI co-creation

New York City

2021 – present

5 years

Miami Dade College Foundation, Digital Marketing Manager

Miami, FL

2023 – 2024

1 year

- Designed and executed digital campaigns increasing donor engagement by 32% and surpassing fundraising goals
- Rebuilt foundation website — 38% traffic growth, 22% improvement in donation conversions
- Produced multimedia storytelling content driving 28% increase in click-through rates

AJP Media Arts, Multimedia Specialist

New York City

2011 – present

15 years

- Produced video, audio, and visual campaigns achieving 17.5M+ views and driving \$2M in client fundraising and revenue
- Integrated SEO and paid media strategies achieving 290% ROI for key campaigns
- Launched and managed client websites with 42% engagement increase and 30% speed improvement

Miami Dade College, FAU, Nova Southeastern, Keiser, and others, Instructor

South Florida

2015 – present

11 years

- Designed and delivered 100+ composition courses to 2,000+ students with 85% above-average grade achievement
- Applied UX principles to create accessible course materials — 92% student approval rating

Majestic Design, Project Manager

New York City

2007 – 2018

11 years

- Led 50 commercial and residential construction projects from concept to completion — 90% on-time and within budget
- Collaborated with marketing teams on 3D renderings and video walkthroughs, securing 25% increase in repeat business

Education

M.F.A. Florida Atlantic University, Creative Writing

2015 – 2018

B.A. CUNY College of Staten Island, English Literature

2010 – 2014

Certifications

Full-Stack Developer — Meta: 2023 — 2024

UX Design — Google: 2022 — 2023

Digital Marketing & E-commerce — Google: 2022 — 2023

Project Management — Google: 2022 — 2023