Anthony James Padavano

Creative Technologist

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Summary

Creative technologist and artist-engineer with 10+ years across multimedia production, systems design, and AI development. Ships production infrastructure — 3,586 code files, 736 test files, 58 passing CI workflows across 91 repositories and 8 GitHub organizations with ~386K words of public documentation. Achieved +17.5M views and helped raise $2M across 15 client campaigns (2011–2024). MFA in Creative Writing; Google-certified in UX Design, Digital Marketing, and Project Management; Meta Full-Stack Developer.

Skills

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

Frameworks: Node.js, Astro, React, Next.js, FastAPI, Fastify, Express, p5.js, D3.js

AI / ML: LLM orchestration, multi-agent systems (1,095+ tests), prompt engineering, vector search (ChromaDB), model-agnostic (Anthropic/OpenAI/Ollama)

Infrastructure: GitHub Actions (58 CI workflows), Docker, Terraform (AWS), PostgreSQL, Redis, Git

Testing & Quality: pytest, Vitest, Jest, TDD — 736 test files across 56 repos, 4,000+ automated tests

Creative: p5.js (32 generative sketches), D3.js, generative art, audio synthesis, interactive installations

Marketing: Storytelling, content creation, social media management, SEO optimization, performance analytics, UI/UX design

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 ~386K 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 9 self-organizing topologies with 22 agent archetypes; FastAPI dashboard
- 1,095+ tests across 18 implementation phases; model-agnostic (Anthropic, OpenAI, Ollama); Redis, Celery, Ray Serve

AI-Conductor Model
2024 — Present

- Developed the workflow producing ~386K words: AI generates volume, human directs and refines
- Includes quality gates, template compliance validation, and automated link checking across 91 repos

Forward Funders Marketing Overhaul   Jan 2020
- Transitioned client from in-person cold-calling to fully digital marketing; designed social media and Google Ads campaigns achieving 328% ROI

Boca Ballet Theatre Digital Transformation   Jan 2020
- Rebuilt website and social media channels during COVID-19; ad campaigns drove funding and enabled remote performances, keeping doors open

Experience

Independent, Creative Technologist   New York City
                                                                            2021 – present
                                                                            5 years
- Designed and launched the eight-organ orchestration system coordinating 91 repositories across 8 GitHub organizations with automated dependency validation and ~386K 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

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
- Developed social media strategy boosting engagement rates across platforms by 23%
- Trained team members on advanced analytics tools, leading to 20% efficiency boost in reporting

AJP Media Arts, Multimedia Specialist   New York City
                                                                            2011 – present
                                                                            15 years
- Produced video, audio, and visual campaigns achieving 17.5M+ views and contributing to $2M in client fundraising and revenue across 15 clients (2011–2024)
- 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
- Conducted A/B testing and performance analysis to optimize campaigns, achieving 27% engagement boost
- Delivered intuitive UI/UX designs for client platforms — 26% satisfaction increase, 35% retention improvement

Miami Dade College, FAU, Nova Southeastern, Keiser, Young Harris College, Tarrant County Community College, Broward College, Palm Beach State College, 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
- Managed course lifecycle from concept to completion, achieving 97% course completion rate
- Enhanced lectures with multimedia tools, driving 22% increase in engagement
- Refined teaching methods using performance analytics — 24% improvement in student retention

Majestic Design, Project Manager

<div align="right">New York City
2007 – 2018
11 years</div>

- 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
- Built and maintained strong client and subcontractor relationships — 88% satisfaction rate
- Implemented risk mitigation strategies reducing project delays by 15%; 93% of projects met or exceeded standards

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