Anthony James Padavano

DEVELOPER EDUCATION & CONTENT STRATEGY

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LINKS

Portfolio · Omni-Dromenon Engine · ORGANVM System · GitHub

PROFILE

Developer education practitioner with 11 years teaching complex systems to 2,000+ students and 810K+ words of technical documentation across 103 repositories. Builder of Classroom RPG: Aetheria, a React 19/TypeScript gamified education platform with AI-powered rubric evaluation. Daily Claude user who built production CLI tooling, API integrations, and a content pipeline with automated validation and scoring. MFA Creative Writing. Full-Stack Developer (Meta). LGBTQ+.

TEACHING SKILLS

Developer Documentation · Tutorial Design · Content Strategy · Curriculum Design · Technical Communication · Claude API/SDK · Content Pipelines · Systems Thinking · Rubric Design · Assessment Design · Workshop Facilitation · Cross-Functional Collaboration

TECHNICAL SKILLS

TypeScript · Python · React 18 · Node.js · p5.js · D3.js · WebGL · WebAudio · Astro · Docker · GitHub Actions · CI/CD · Git

SELECTED PROJECTS

ORGANVM Documentation System — 42 Published Essays
~142K words of public documentation making complex creative infrastructure accessible. Pedagogical transparency methodology: each essay teaches systems thinking, architectural decisions, and creative production. Open reference material for practitioners and educators.

Classroom RPG: Aetheria — Gamified Education Platform
React 19/TypeScript SPA transforming classroom learning into RPG mechanics: quests mapped to CCSS ELA and AP Lit standards, XP progression, AI-powered rubric scoring and remediation feedback. Educator dashboard with analytics and standards-alignment tracking. Four thematic skins, 4-year curriculum, three-way voting system. Open-source MIT.

Omni-Dromenon Engine — Participatory Performance System
Real-time audience-participatory performance infrastructure with educational applications. Consensus algorithms where collective input shapes outcomes — models for classroom engagement and collaborative learning. Genre presets for ballet, theatre, opera, electronic music.

Portfolio Site — Interactive Case Studies & Generative Art
Astro 5 site with 20 interactive case studies, generative p5.js art, D3.js data visualizations. Documentation-driven design demonstrating technical pedagogy through accessibility-first patterns and visual learning.

TEACHING EXPERIENCE

Instructor — Composition & Writing
2015 — Present

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

- Designed scaffolded curricula integrating systems thinking, creative coding, and iterative feedback pedagogy.
- 100+ graduate and undergraduate courses across 8 institutions; 2,000+ students from diverse backgrounds.
- Developed peer review frameworks and rubric-based assessment tools adopted across multiple course sections.
- 85% above-average achievement; 92% approval rating; 97% completion rate.
- Courses: ENC1101 Composition I, ENC1102 Composition II, CRW workshops, Advanced Rhetoric, Technical Writing.

PROFESSIONAL EXPERIENCE

Independent Developer Educator & Content Creator
2020 — Present

- **Developer Documentation:** 42 published essays (~142K words) and 810K+ total words across 103 repos — making complex systems accessible through structured onboarding docs (CLAUDE.md, 100% coverage).
- **Content Pipeline:** Built production pipeline managing 66+ targets through a state machine with automated validation, 8-dimension scoring, preflight checks, and conversion tracking — replacing ad-hoc prioritization with measurement-driven operations.
- **Eight-Organ System:** 103 repos across 8 GitHub orgs (21K code files, 3.6K tests, 94 CI/CD pipelines) built using Claude — documented for replication and developer onboarding.

Digital Marketing Manager
2023 — 2024

Miami Dade College Foundation (nonprofit)

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

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.

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)