

Anthony James Padavano

CREATIVE CODING EDUCATOR & P5.JS PRACTITIONER

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LINKS	Portfolio · Omni-Dromenon Engine · ORGANVM System · GitHub
PROFILE	Educator with 11 years of college instruction across 8+ institutions and 2,000+ students, building a teaching practice grounded in making complex systems accessible through creative coding. Active p5.js and Processing practitioner — builder of generative art systems, interactive web experiences, and open-source performance tools. Creator of a 103-repository creative system documented in 42 published essays (~142K words), demonstrating computational arts methodology for replication and teaching. MFA Creative Writing. Full-Stack Developer (Meta). LGBTQ+.
TEACHING SKILLS	p5.js · Creative Coding · Curriculum Design · Writing Pedagogy · Systems Thinking · Technical Communication · Workshop Facilitation · WebGL · WebAudio · D3.js · JavaScript · TypeScript · Python · Rubric Design · Assessment Design · LMS Administration · Student Mentoring · Peer Review Frameworks · Accessibility · Diverse Learner Populations
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 to general audiences. Pedagogical transparency methodology: each essay teaches systems thinking, architectural decision-making, and creative production processes. 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 Literature standards, XP progression, AI-powered evaluation with rubric scoring and remediation feedback. Educator dashboard with analytics, rubric management, and standards-alignment tracking. Four thematic skins, 4-year English Lit curriculum, three-way student/teacher/parent 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, collaborative learning, and real-time feedback systems. 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 <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 from diverse backgrounds.• 85% above-average achievement; 92% approval rating; 97% completion rate.• Courses: ENC1101 Composition I, ENC1102 Composition II, CRW workshops, Advanced Rhetoric, Technical Writing.• Designed scaffolded curricula integrating systems thinking, creative coding concepts, and iterative feedback pedagogy.• Developed peer review frameworks and rubric-based assessment tools adopted across multiple course sections.
PROFESSIONAL EXPERIENCE	Independent Educator & Creative Coding Practitioner 2020 – Present <ul style="list-style-type: none">• Creative Coding Practice: Active p5.js and generative art practitioner — real-time visual systems, interactive particle simulations, procedural design. Portfolio site built on p5.js generative visual layer.• Public Documentation: 42 published essays (~142K words) documenting creative infrastructure — making complex systems accessible to general audiences through pedagogical transparency.• Open-Source Performance Tools: Omni-Dromenon Engine — audience-participatory system designed for educational and community contexts, with consensus algorithms, real-time interfaces, and genre-specific examples.• Teaching Infrastructure: 103-repository creative system demonstrating AI-augmented creative production methodology, documented for replication and teaching.
	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%.
	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.
EDUCATION	M.F.A. Creative Writing , Florida Atlantic University 2015 – 2018 B.A. English Literature , CUNY College of Staten Island 2010 – 2014

C E R T I F I C A T I O N S Full-Stack Developer, Meta (2024) · UX Design, Google (2023) · Digital Marketing, Google (2023) · Project Management, Google (2023)