

# Omarwali Jones

Creative Technologist | AI Interaction Engineer | Sound Visual Architect  
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## PROFILE

Multidisciplinary developer exploring the frontier between sound, motion, and machine intelligence. Creator of Amoeba/Dragon, a real-time web-based microphone visualizer merging acoustic analysis, generative art, and AI collaboration. Driven by the belief that creativity and logic are harmonic frequencies — using technology not just to extend perception but to give it form.

## CORE PROJECT

Amoeba/Dragon v3.5.2 — “Spectral Imprint”

Role: Independent Developer / Sound Visual Architect

Stack: JavaScript (ES6), HTML5 Canvas, CSS3, Web Audio API, AI-assisted design (ChatGPT + Claude)

- Engineered a real-mic echo memory system with a 3s rolling FFT buffer that remembers live sound.
- Designed a neon mic-health indicator for intuitive, self-aware interface feedback.
- Developed 8 dynamic environmental presets (Basement, Hyper, Drone Mode, etc.) with unique EQ and compression logic.
- Built adaptive UI sliders for environment sensitivity, low-frequency boost, transient sharpness, and echo fade.
- Optimized a 32-band spectral engine for fluid, low-latency visuals and a cohesive neon aesthetic.

## AI COLLABORATION & PROMPT ENGINEERING

- Co-developed Amoeba/Dragon through structured dialogues with LLMs (ChatGPT, Claude).
- Used AI as a design partner to debug, refactor, and conceptualize new modules in real time.
- Learned to communicate technical architecture, artistic intent, and optimization goals through precision prompting.
- Developed intuition for AI-human symbiosis — aligning language, logic, and creativity toward emergent design.

## TECHNICAL & CREATIVE SKILLS

Languages / Tools: JavaScript, HTML5, CSS3, PowerShell, Node.js, Git, Visual Studio Code

Core Strengths: Audio-reactive systems, generative design, UI/UX for interactive media, performance optimization, creative automation

AI / Collaboration: Prompt design, iterative prototyping with LLMs, AI-assisted debugging, conceptual synthesis

## VISION

To pioneer the next era of AI-augmented creative systems — building tools, experiences, and interfaces that listen, adapt, and evolve. Amoeba/Dragon is proof that art and intelligence are not separate — they are reflections of the same signal, harmonized through intention.

“Technology doesn’t just extend the senses — it extends the soul.”  
— O.W. Jones