

# Hayden Lindley

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## PROFESSIONAL SUMMARY

M-shaped Creative Technologist and AI/ML Engineer with 30+ years bridging creative technology, software engineering, and entrepreneurship. Unique combination of formal creative training (BFA 3D Animation, MFA Counseling) with deep technical execution—recently architected and deployed 15 production-grade web applications in 2 months. Founded modern prefab housing company featured in Dwell Magazine, managing design through manufacturing. Expert with rapid prototyping, full-stack development, and emerging AI/ML technologies. Specialized in cross-disciplinary innovation where creative vision meets technical implementation.

## TECHNICAL SKILLS

**AI/ML & Data Science:** Python, TensorFlow, PyTorch, Keras, scikit-learn, Hugging Face Transformers, LangChain, OpenAI API, Claude API, DeepSeek API, Neural Networks, NLP, CUDA Toolkit, Computer Vision, MLOps, Jupyter, Pandas, NumPy

**Creative Technology:** React, Three.js, WebGL, P5.js, Processing, D3.js, Canvas API, WebAudio API, GLSL Shaders, Unity, Unreal Engine, A-Frame VR, Interactive Installations, Generative Art

**Full-Stack Development:** JavaScript/TypeScript, Node.js, React, Next.js, Vue.js, Express, FastAPI, Flask, RESTful APIs, GraphQL, WebSockets, PostgreSQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, S3, Lambda, SageMaker), Google Cloud Platform, Docker, Kubernetes, CI/CD, Git, GitHub Actions, Terraform, Serverless Architecture

**3D & Design Tools:** Blender, Maya, 3ds Max, CAD Software, Figma, Adobe Creative Suite (Photoshop, Illustrator, After Effects), UX/UI Design, Architectural Visualization, Cursor IDE

## PROFESSIONAL EXPERIENCE

### Independent Software Engineer & Creative Technologist

*Self-Employed • Austin, TX • 2017 – Present*

- Architected and deployed 15 production-grade web applications in 2 months, demonstrating exceptional rapid development velocity across React, Node.js, Python, and cloud infrastructure (AWS, GCP)
- Developed AI/ML solutions including custom LLM integrations, neural network implementations, and intelligent automation systems using TensorFlow, PyTorch, and modern transformer architectures
- Created interactive creative technology experiences combining WebGL, Three.js, and generative algorithms for immersive web installations and data visualizations
- Consulted for diverse clients spanning AI research, creative agencies, and tech startups, translating complex technical requirements into production-ready solutions

### Freelance Branding Development & Website Design

*Octane Brands • Austin, TX • 2016 – 2017*

- Developed branding and marketing strategies for 4 ventures including solar energy sector financial products and local startup identity systems
- Created complete digital presence solutions encompassing logo design, website development, and brand positioning for early-stage companies

### Founder & President

*ClearSpace Modular Homes, Inc. • Austin, TX • 2008 – 2016*

- Founded and scaled modern prefab housing company from concept to featured listing in Dwell Magazine, demonstrating entrepreneurial leadership and design innovation
- Established manufacturing facility and managed end-to-end operations: architectural design, engineering schematics, 3D modeling/animation, general contracting, and residential construction
- Built complete business infrastructure as solo founder including branding, website design, client relations, contracts, marketing (social & print), lead generation, and sales
- Integrated custom software systems for project management and client communications, bridging creative vision with manufacturing execution

### **3D Animator & Concept Developer**

*Horseback Salad Entertainment • Austin, TX • 2006*

- Collaborated with creative team to develop and produce training materials for Hubbell Lighting, Inc. sales representatives
- Managed client relations, concept development, 3D modeling, and animation for multimedia production company known for exceptional quality and rapid turnaround

### **Web Designer & Technical Liaison**

*Course Trends LLC • Austin, TX • 2003 – 2004*

- Acted as technical liaison between sales team and backend database programmers for golf course website/marketing platform startup
- Developed product features in collaboration with sales director and prepared marketing materials for trade show exhibitions including complete brand identity system

### **Freelance Graphic Designer & Multimedia Producer**

*Self-Employed • Austin, TX • 2002 – 2003*

- Delivered advertising campaign for Lance Armstrong Foundation and music video for Grammy Award-winning artist Patty Griffin
- Designed websites for Texas Coalition for Conservation and local multimedia producers, managing diverse client relationships and translating creative vision into deliverable assets

## **EDUCATION**

### **Master of Fine Arts, Counseling**

*St. Edward's University, Austin, TX • 2004 – 2007*

Completed all coursework and practicum for Licensed Professional Counselor application. Conducted psychotherapy with adults in private practice setting. This interdisciplinary training enhanced user empathy, communication skills, and human-centered design approach.

### **Bachelor of Fine Arts, 3D Modeling & Animation**

*Savannah College of Art and Design, Savannah, GA • 1998 – 2002*

Concentrated study in technical creative modalities including 3D environments, animation, graphic design, architectural visualization, and web design. Developed technical support role assisting students and faculty with concept development and software implementation.

## **KEY ACHIEVEMENTS & DISTINCTIONS**

- Featured in Dwell Magazine for innovative modern prefab housing design and manufacturing approach
- Portfolio of 15+ live production web applications demonstrating rapid development velocity and full-stack expertise
- 30+ years of software engineering and creative technology across multimedia production, web development, 3D animation, architectural design, and AI/ML domains
- Successfully launched and operated manufacturing business as solo founder, managing all aspects from design through production and sales
- M-shaped professional profile with expert-level depth in software engineering, creative technology, and human-centered design—rare combination highly valued in cross-functional innovation roles