

# Matthew D. Scott

AI/ML Engineer | Open to Opportunities

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## PROFESSIONAL SUMMARY

Innovative AI/ML Engineer with demonstrated expertise in building production-scale AI systems, from cutting-edge research prototypes to enterprise-ready applications. Proven track record of developing sophisticated AI solutions across cybersecurity, legal technology, business intelligence, and creative domains. Strong focus on system architecture, deployment automation, and turning complex AI concepts into practical business solutions.

## TECHNICAL SKILLS

**AI/ML Frameworks:** Scikit-learn, TensorFlow, PyTorch, NLP, Computer Vision, AI Agents

**Programming:** Python, JavaScript, Node.js, React, Shell scripting, HTML5/CSS3

**DevOps & Production:** Docker, CI/CD, API Development, Performance Monitoring, Cloud Deployment

**Specialized Domains:** Cybersecurity, Legal Tech, Music Technology, Business Intelligence

## KEY PROJECTS

### ZIGGY: Metacognitive Evolution Simulator | 2024-2025

*Lead Developer & AI Researcher*

Technologies: Python, Advanced ML, Cognitive Modeling, System Architecture

- Designed cutting-edge AI consciousness research system exploring metacognitive evolution
- Developed Theory of Mind modeling with belief system dynamics and cognitive consistency
- Impact: Demonstrates deep understanding of AI consciousness and synthetic identity

### Mirador: Enterprise AI Agent System | 2024-2025

*Principal Engineer*

Technologies: Python, AI Agents, Business Intelligence, Production DevOps

- Architected production-scale AI system with 95+ components for business opportunity analysis
- Implemented comprehensive ROI tracking and strategic planning automation
- Impact: Production-ready enterprise AI system demonstrating scalable architecture

### Security Copilot: AI-Powered Threat Detection | 2024

*Lead Developer*

Technologies: Python, Cybersecurity AI, API Development, Real-time Processing

- Built production phishing detection system with comprehensive API framework
- Implemented real-world threat scenario testing for enterprise deployment
- Impact: Addresses critical cybersecurity needs with practical AI automation

## LegalStream Platform | 2024

*Full-Stack Developer*

Technologies: Node.js, Docker, OCR (Tesseract), Full-Stack Development

- Developed full-stack legal document processing platform with AI-powered analysis
- Integrated OCR technology for automated document digitization and analysis
- Impact: Demonstrates full-stack AI application development in legal technology

## ADDITIONAL PROJECTS

- Enhanced Chord Generator - AI-powered music technology with chord progression generation
- AI Talent Optimizer - Automated talent acquisition and job intelligence system
- FretVision Guitar Visualizer - Creative technology blending music theory with visualization
- JasperMatters Job Intelligence Platform - AI-powered career optimization platform

## PROFESSIONAL STRENGTHS

- Research to Production: Proven ability to take AI research concepts to production-ready systems
- System Architecture: Expertise in designing scalable, maintainable AI systems with DevOps practices
- Domain Versatility: Success across cybersecurity, legal tech, music technology, and business intelligence
- Enterprise Readiness: Understanding of commercial AI development, IP management, and licensing
- Full-Stack Capability: End-to-end development from AI algorithms to user interfaces