

Colin Shaw

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OVERVIEW

Makes thoughtful, calculated and strategic decisions about technology, particularly AI.
Architects composable, reusable, agile AI products that solve problems efficiently, elegantly and ethically.
Leads technical vision for AI; advises and mentors on technical capabilities of products and teams.

TECHNICAL PROFICIENCIES

Conceptual: AI, LLMs, RAG, MCP, Traditional DS/ML, Architecture, Algorithms, Tech Strategy
Methods: Deep Learning, Model Adaptation, Embeddings, LoRA, Reinforcement Learning, Recommender Systems, Machine Vision, Synthetic Data, MAB/GP, Q-learning, Statistical/Simulation Learning
Languages: Python, OCaml, C/C++, Ruby, SQL
Libraries: PyTorch, TensorFlow, OpenCV, scikit-learn, FastAPI, Numpy, bitsandbytes, HF, Unsloth

SELECTED EXPERIENCE & IMPACT

Founder <i>Foresight Engineering (Bentonville, AR)</i> <ul style="list-style-type: none">• Design and implementation of AI enabled optics• Contract work in AI strategy, architecture and zero-to-one acceleration	2021 - Present
Senior Data Scientist <i>ProCode (Los Angeles, CA)</i> <ul style="list-style-type: none">• Led AI product strategy and data science team• Designed and implemented MCP reasoning architecture and lifecycle tools	2025 - Present
Senior AI Engineer <i>Ox (Bentonville, AR)</i> <ul style="list-style-type: none">• Drove development of Q-learning approach to warehouse pick optimization• Created comprehensive GeoJSON warehouse mapping product	2023 – 2025
Data Science Manager <i>OpenComp (San Francisco, CA)</i> <ul style="list-style-type: none">• Owned strategy and execution for all DS, including taxonomy and modeling• Managed domestic and offshore data science and engineering team	2022 – 2023
Senior Data Scientist, Machine Learning <i>Cameo (Chicago, IL)</i> <ul style="list-style-type: none">• Built and launched the first ML talent recommendation service• Generated \$2m annualized revenue increase from recommendations	2022
Director of Machine Learning <i>RevUnit (Bentonville, AR)</i> <ul style="list-style-type: none">• Established the ML team and developed GTM strategy for the ML practice• Scoped and architected all products developed by the ML team• Responsible for \$8m revenue expansion directly attributable to ML practice	2017 – 2022

SELECTED ACHIEVEMENTS

Serial entrepreneur — 2x founded and graduated companies from startup accelerators with successful exits
Organizer of popular local Data Science and Computer Science Meetup groups

ACADEMIC BACKGROUND

Oxford University — AI-Driven Business Transformation Executive Programme
Yale University — MS, Clinical Analytics, Leadership and Management
University of Arkansas, Fayetteville — BS, Math and Physics; MS candidate dropout, Computational Math