

Ryan Bookman

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EDUCATION

Stanford University

B.S. in Data Science (Math & CS track), Minor in International Relations

Student Organizations: DEFCON National Security Network, Stanford America Club (co-founder), Alpha Epsilon Pi

GPA: 3.63/4.0

Stanford, CA

Expected: 2027

PROFESSIONAL EXPERIENCE

U.S. Army Research Laboratory

Machine Learning Research Intern

Aberdeen, MD

June 2024 - May 2025

- Developed a human-in-the-loop LLM platform that delivers combat strategy to Army personnel based on mission intelligence
- Collaborated closely with tactics teams to rapidly iterate on the technology
- Reduced simulated Military Decision-Making Process (MDMP) duration by 99%, from 3 days to 15 minutes

Blue360 Media

AI Consultant and Chatbot Engineer

Park City, UT

June - Aug 2023

- Built a LangChain/RAG chatbot enabling police officers to instantly retrieve criminal statute information, eliminating hours of manual research
- Met with customers to identify profitable generative AI opportunities, validated product-market fit, and led execution as the sole developer

Teal Drones

Deep Learning Intern

Salt Lake City, UT

June - Aug 2022

- Trained and deployed YOLO/PyTorch/TensorFlow computer vision neural networks for U.S. military drones
 - Optimized AI performance through neural net. hypertuning, configured custom hardware acceleration on QRB5
 - Presented model demos, helping position our company as a leading contender for a DoD contract
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RELEVANT PROJECTS

Modernization Consulting for U.S. Army Futures Command

Strategy Consultant, Stanford GKC

Stanford, CA

Jan - June 2025

- Evaluated Army Futures Command's organizational structure ahead of its merger with TRADOC
- Conducted 32 interviews with Army leadership to identify barriers to effective technology modernization
- Proposed a comprehensive strategy to improve early-stage acquisition, software and AI integration, and research alignment

ElkShelf.com (no longer live)

Founder

Park City, UT

Sept 2020 - June 2022

- Founded a startup that evaluated corporate ESG, learned through the startup's eventual failure the importance of validating product-market fit early on
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SKILLS

- **Data Science & AI:** Machine learning, deep learning, NLP, LLMs, and computer vision; proficient with leading tools (Python, SQL, PyTorch, Tensorflow, scikit-learn, Hugging Face, LangChain, OpenAI, etc)
 - **Strategy & Collaboration:** Technical project leadership, stakeholder collaboration (Army leadership, law enforcement), consulting, and operational strategy
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RECOGNITION & AWARDS

- Awarded **"Best Paper"** in **Stanford Cloud Computing Seminar** for research on LLM-driven dynamic pricing
- Placed 2nd for **"Most Viable Product Pitch"** in Stanford Graduate School of Business AI seminar
- Received **Seal of Biliteracy** (French) from Waterford School ('23)
- Selected as **Bank of America Student Leader** for using technology to support local communities