Jordan Stout

Boston, MA jdstout@gmail.com 310-847-9404 obelisk2u

Education

Boston University *M.S. in Statistical Practice, GPA 3.85* *Sept 2024-December 2025*
- *Coursework:* Statistical Machine Learning, Advanced Statistical Modeling, Data Science in R

Wheaton College Massachusetts *B.S. Physics and Computer Science, GPA 3.70* *Sept 2017-May 2021*
- *Coursework:* Methods of Scientific Computing, Parallel and Distributed Systems, Operating Systems

Experience

Lead Data Science Intern, *Fidelity Investments* *September 2024–May 2025 — Boston, MA*
- Led a team of 10 interns in developing a multi-query RAG pipeline in Python and SQL, processing 10,000+ internal Fidelity technical documents and cutting retrieval time by 80%
- Developed a Random Forest model to extract features of documents that optimize RAG performance allowing Fidelity to refine their knowledge base saving $100,000+ in data storage and retrieval costs

Software Engineer, *True Engineering* *January 2024–September 2024 — Cambridge, MA*
- Developed Python scripts to automate translation of live-streamed naval data into JSON and proprietary formats, saving 100+ hours weekly.
- Collaborated with senior naval personnel at Point Loma Naval Base to debug and integrate TrueNumbers into operational data pipelines, while supporting and educating non-technical stakeholders on its UI and data model.

Software Engineer, *Raytheon (DoD Secret Clearance)* *June 2022–June 2023 — Cambridge, MA*
- Redesigned a multithreaded C2 architecture in C++ for a classified DARPA project, enhancing code robustness, maintainability, and clarity.
- Implemented real-time acoustic signal processing algorithms in C++, leveraging Fast Fourier Transform (FFT) techniques to extract and analyze frequency-domain features from raw sensor data.
- Maintained classified technical documentation in compliance with security protocols and procedural standards for government-contracted projects.

Projects

Conversational Audio Analysis
- Echos is a platform that transcribes, summarizes, and analyzes live audio feed, featuring a RAG system that enables users to chat with their transcripts and receive context-aware answers.
- Tools Used: Python, FastAPI, LangChain, React, TypeScript, AWS

Skill Update Simulation
- JSkill is an interactive web app that simulates and visualizes player rating systems like TrueSkill and ELO to explore how skill estimates evolve over time.
- Tools Used: Go, Typescript, TailwindCSS, Bayesian Machine Learning

Dynamic Rhythms Machine Learning Challenge
- Engineered robust features and trained XGBoost and deep learning models to predict power outage occurrence, severity, lead time, and number of affected customers.
- Tools Used: Python, Jupyter, PyTorch, Scikit-learn, XGBoost

Technologies

Languages: R, Python, C++, C, MATLAB, TypeScript, JavaScript, CSS, SQL
Technologies: React, Atlassian, Pinecone, AWS, PyTorch, Docker, Scikit-Learn, LaTeX, Linux