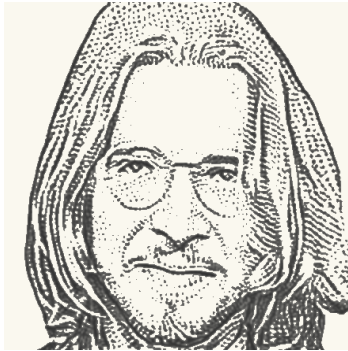# Eric Bolton

CTO at NewsWyze | AI Researcher | Creator of aiportrait.wsj.com

Hello!

I'm an NYC-based software engineer specializing in **natural language processing** and **large language models** for journalism. I'm passionate about ways AI can improve the exchange of knowledge and information between humans.

At NewsWyze, where I serve as CTO, we help newsrooms like Radio Free Asia, BenarNews, and RadioFarda reach wider audiences by **automatically translating and summarizing** news stories.

Our technology has helped these organizations cut their editorial processing time by **85 percent**, making their journalism more accessible across language barriers while maintaining high editorial standards.

I'm particularly fascinated by how AI can transform the way information flows between cultures and across languages. If you're curious about this too, or working on similar challenges in journalism and content distribution, I'd love to chat.

Projects

- **Frontier Beat**: An AI-powered platform that tracks and summarizes trending research papers from ArXiv and their associated GitHub repositories.

- **Show me the Ballot!**: A web app that helps first-time voters preview their ballot information, making voting information more accessible and less intimidating.

- **Machine Thoughts**: An early demonstration of how language models can generate convincing human conversation, foreshadowing current concerns about AI-driven disinformation and presented at C+J 2021.

- **Last Minute Moneyball**: Analysis of voting power distribution in the US, using polling data to calculate dollar value (in federal funding impact) of votes across different jurisdictions.

- **Brexit Coverage Map**: Interactive visualization using Doc2Vec embeddings to compare Brexit coverage across British newspapers, revealing partisan lean. Link to write-up.

- **Beating Dots**: A*-algorithm agent that achieved a perfect score in Dots in under 100 tries, the only known perfect score achieved in the game, per the leaderboard.

Articles & Publications

- **High Quality Real-Time Structured Debate Generation**: AI debate generation using tree-structured data from Kialo, reaching near-human performance through a novel augmentation strategy: concatenating "Pro" argument chains in the debate tree.

- **Talk2020 Retrieves and Analyzes 30 Years of Candidate Statements**: Database and search tool built for the Wall Street Journal, enabling analyses that revealed unique linguistic patterns and topic preferences among presidential candidates.

- **A Decade of News: How the Big Stories Evolved**: Analysis using Word2Vec to track the evolution of public figures' media portrayal over time, including dramatic shifts in perception of key political figures.

- **What's in a Hedcut? Depends How It's Made**: Innovative AI system for generating the Wall Street Journal's iconic stipple portraits, with special focus on improving representation through AI-augmented training data.

Blogs

- **Candid Selfie**: A semi-periodic snapshot of where my head is at. New posts every Sunday.

- **Aligned Foresight**: Data-driven reporting on superforecasting, AI, politics, and society, focused on measuring public opinion and predicting how it will evolve.

Links

BlueSky | **GitHub** | **Resume**

☕ Buy me a brew?