

Lightning Talk
Prepared for IARPA - REASON





IARPA REASON point of contact.

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Nathan Klarer

COO & Head of Machine Learning

Experienced AI leader with the following advanced natural language processing achievements; Developed Transformers Deep Learning Nanodegree for Udacity, Architected Decision-Grade Strategic Insights Platform for Big 4 firm, Created Accelerated Computing Ontology Generation Platform Audionaut AI.



Our Results

\$250 M

Est. Value Creation 4+

Years In Business

40+

Engineers and Data
Scientists

AMERICAN EXPRESS

Forbes



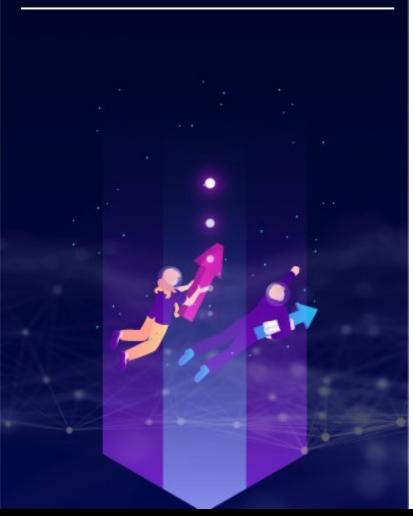




Partners & Leadership Strategy







- Nvidia Inception Program Early access to accelerated computing technologies
- Udacity Deep Learning Nanodegree Designed course and technical materials
- Channel Partners ScaleTech Consulting
- Google Cloud Early technology access







TA1



TA1 - Identify Additional Evidence

Technical Skills:

- Word Vectorization (embeddings, fine-tuning)
- Machine Translation
- Named Entity Recognition
- Foundation Models

Production Deployments:

 Architected NLP sensing product across 100,000 data sources for Big 4 Firm



TA2



TA2 - Identify Strengths and Weaknesses

Technical Skills:

- Chain-of-Thought Prompting (baseline creation)
- Search Technologies
- Knowledge Graph Creation
- Ontology Design

Production Deployments:

 Productionized cluster computing ontological data representation system, Audionaut AI.



TA3



TA3 - Produce Recommendations to Increase Quality of Argumentation

Technical Skills:

- Graph Neural Networks
- Recommender Systems
- CUDA Accelerated Computing

Production Deployments:

 Built large recommendations inference system for major University.



Full Capabilities



