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CGI and CVDI Focus Areas, Year 8

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Areas of Research for Discussion

Natural Language Processing

- Very large scale text processing
- Language independent models
- Applications of Reinforcement and Transfer Learning
- Context/domain sensitive search and retrieval

Full Motion Video

- Being able to process full motion video from a variety of data sources
- Object detection, tracking, etc.

Edge Analytics

- Being able to process imagery and video data at the edge
- Within Camera module processing prior transmitting to gateways and cloud

Applied Blockchain

- Data Storage
- Data Sharing

Massive Data Ingestion and Exploitation across Data Types

- Massive ingestion of data across domains (structured unstructured, video, text, etc.)
- Connecting disparate streams in real time, assessing value and connection of data to enable operations