Company Background

- Organization: **Mamigo Inc.**
- Small Business – Established 2007
- President / CTO: Dr. Manoj Aggarwal
- Key Team Members:
  - Christopher Lautz: Operations and Project lead
  - Akhil Kumar: Senior Engineer

Research Areas of Interest

- **Video Quality and Environmental Assessment**
    - Broad Quality Classification: Noisy, Defocus, Compression artifacts, Camera Stability, Motion blur, Lighting characteristics
    - Broad Environment Classification: Urban, Semi-urban, Forested, Desert, …

- **Object/Location-Centric Quality Video Meta-data Tagging**
    - Associating same location/object across a video with quality metadata tags

- **Natural Language Symbol/Logo Pattern Detection**
    - Linking diverse videos via searching for common patterns/logos
    - Search patterns such as written language, symbols, book spines, documents, posters, tattoos, and graffiti.

- **Multi-Stakeholder Sharing and Interactive Visualization**
    - Interactive tools for compositing video imagery
    - Collaborative spatio-temporal tagging, sharing and search
    - Interactive tools for object-centric visualization

Unique Qualifications & Capabilities

- **SeaStar^{TM} - Interactive visualization.**
  - Video quality assessment and adjustment on-the-fly between multiple sensor inputs.
  - Registration of objects as common focal points for viewing from multiple, dispersed sensors, and searchable based on quality metrics
  - On-the-fly creation of multiple/simultaneous 'areas-of-interest' from a common repository of imagery as a subscription service for stakeholders.
- **SeaUrchin^{TM} - Symbols & pattern recognition**
  - Detection and matching of alpha-numeric, numeric characters and symbols.
- **Locomotion^{TM} - Low-level event detection**
  - Advanced, low-level motion detection from unstable imagery
- **Coral^{TM} – Open API video processing framework**
  - Video transcoding
  - Video streaming
  - Support for 3rd Party video processing plugins

Contact Information

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