

## ChimeraPy: Distributed Computing Framework for Multimodal Data

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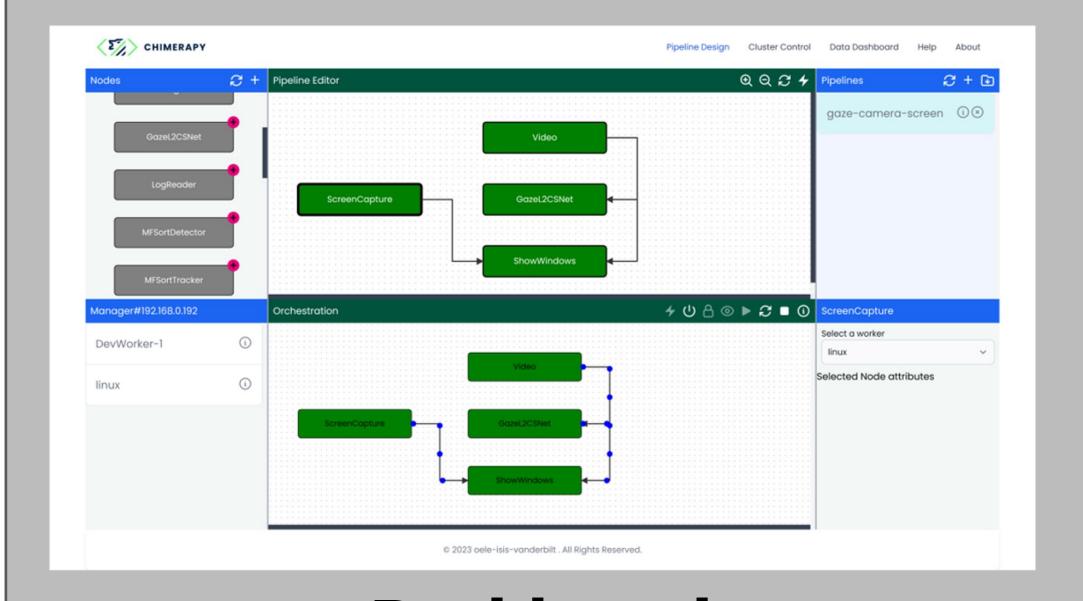
### ChimeraPy

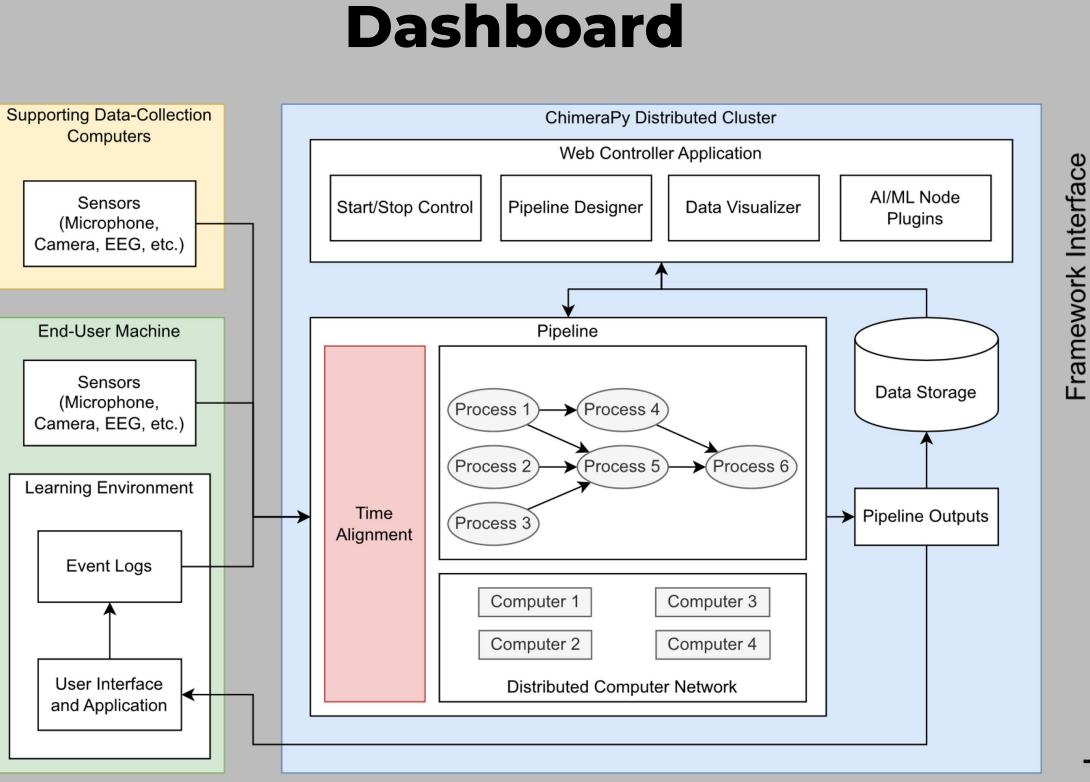
ChimeraPy is a distributed computing framework for multimodal data collection, processing, and feedback. Written in Python, ChimeraPy provides an ecosystem of tools and packages aiding in the collection and processing of multimodal data and aims to provide an open-source solution for multimodal data, solving challenges like synchronization, segmentation and integration of modern machine learning algorithms to aid researchers in Multimodal Learning Analytics.

#### **Features**

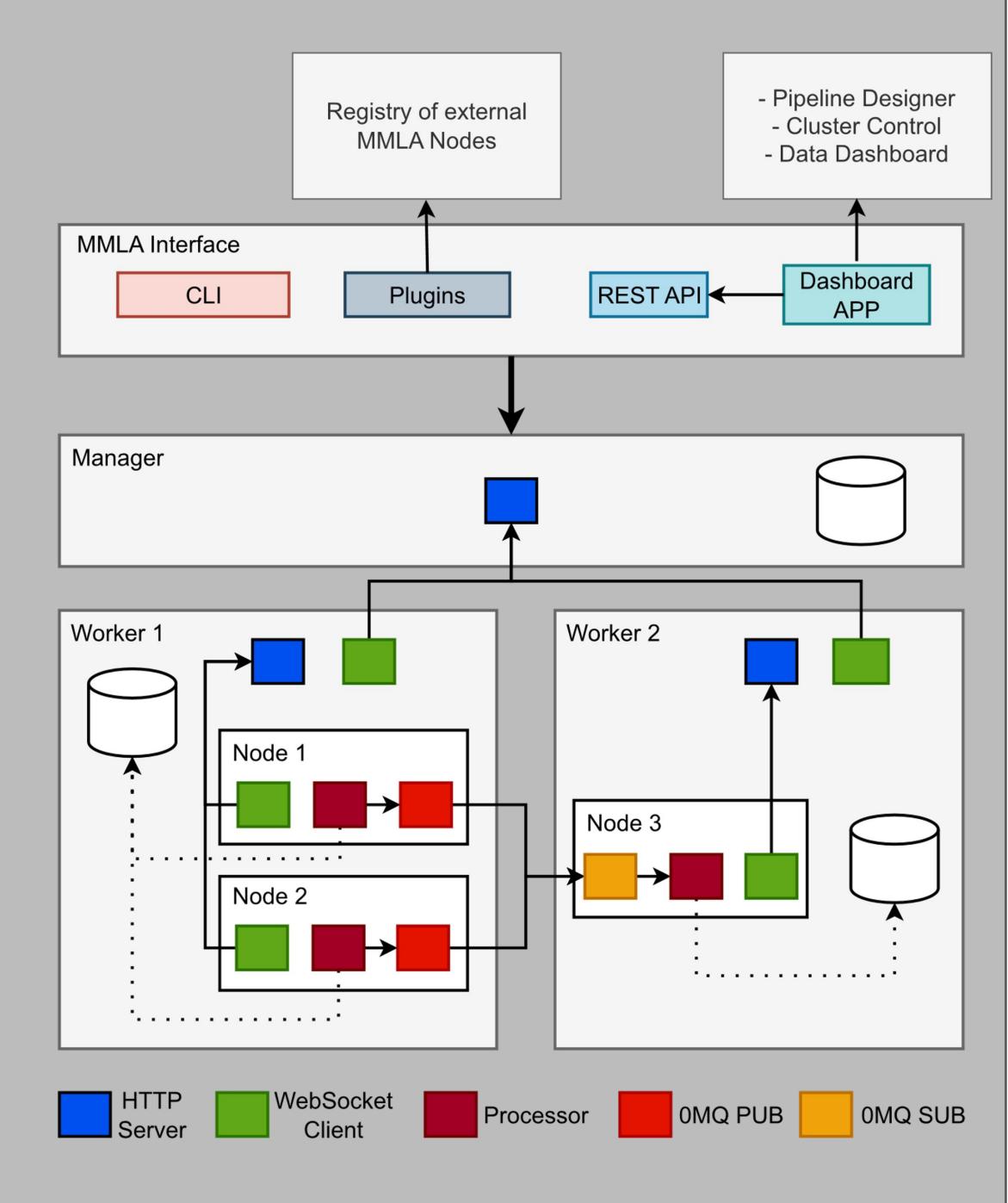
- Synchronized collection of real time multimodal data.
- Distributed architecture, enabling heterogeneous devices mix-match for specific sensors, with Python as a baseline environment.
- Multiple methods to use free and open-source MMLA framework, i.e. a GUI, API, CLI, and Python library support the integrating stakeholder concerns, needs, preferences in the development of data collection and processing.
- Modular architecture allowing interweaving of multiple data sources and deep learning-based analysis methods across multiple, distributed processors.

# ChimeraPy is a distributed computing framework for multimodal data collection, processing and feedback





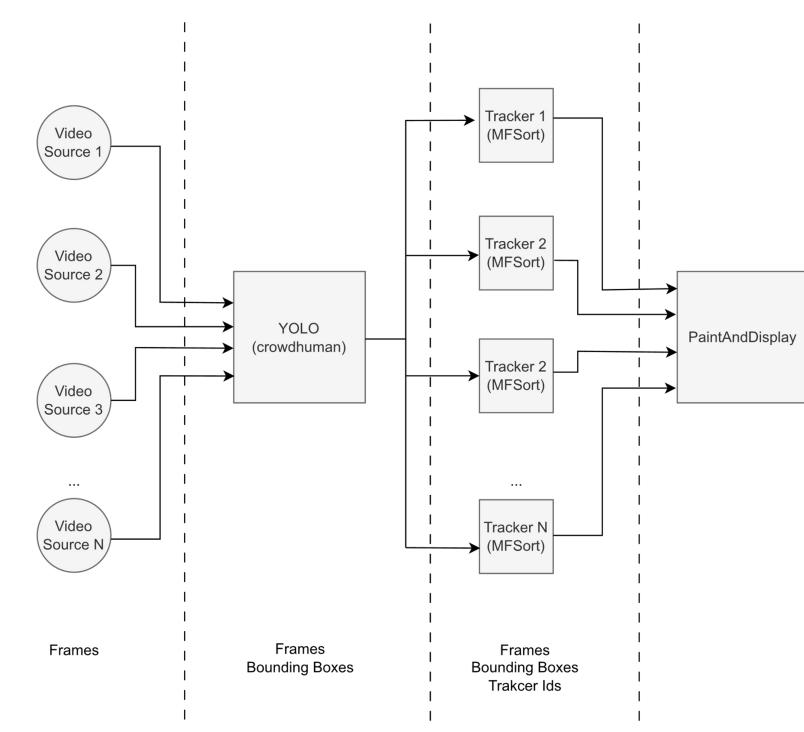




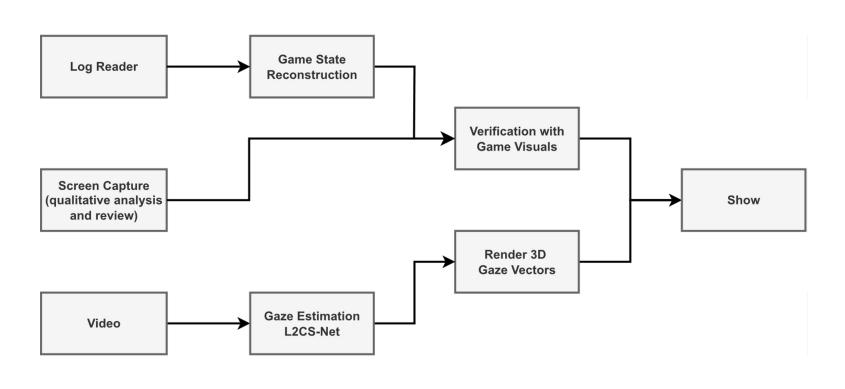
Framework

### Integrations

- Multi Video Tracking



**Embodied Learning** 



### **Upcoming Plans**

- Richer Integrations with ML/DL Libraries
- Data/Logs integrations with the Dashboard
- Benchmarks and Testing





