

# Pini Language and PiniTree Ontology Editor: Annotation and Verbalisation for Atomised Journalism

## PiniTree Editor

The screenshot shows the PiniTree Editor interface. On the left, a document titled "613b60a1 Steve Jobs sold most of his Apple stock when he was ousted from the company in 1985..." is displayed. The text is annotated with green and blue boxes representing entities and relationships. On the right, a detailed view of the selected item is shown, including a photo of Steve Jobs and a list of related items and mentions.

## Web of InfoBoxes view

The screenshot shows the Web of InfoBoxes view. It displays a network of entities and relationships. The central entity is "Apple (organization)". It is connected to other entities like "Steve Jobs", "Steve Wozniak", and "Beats Electronics". The view includes a list of mentions and a list of documents where the entity is mentioned.

# PiniTree.com

## Pini Language

We present a new ontology language Pini and the PiniTree ontology editor supporting it. Despite Pini language bearing lot of similarities with RDF, UML class diagrams, Property Graphs and their frontends like Google Knowledge Graph and Protégé, it is a more expressive language enabling FrameNet-style cross-document summarisation for Atomised journalism use case.

