

# Live Coding with the Cloud and a Virtual Agent



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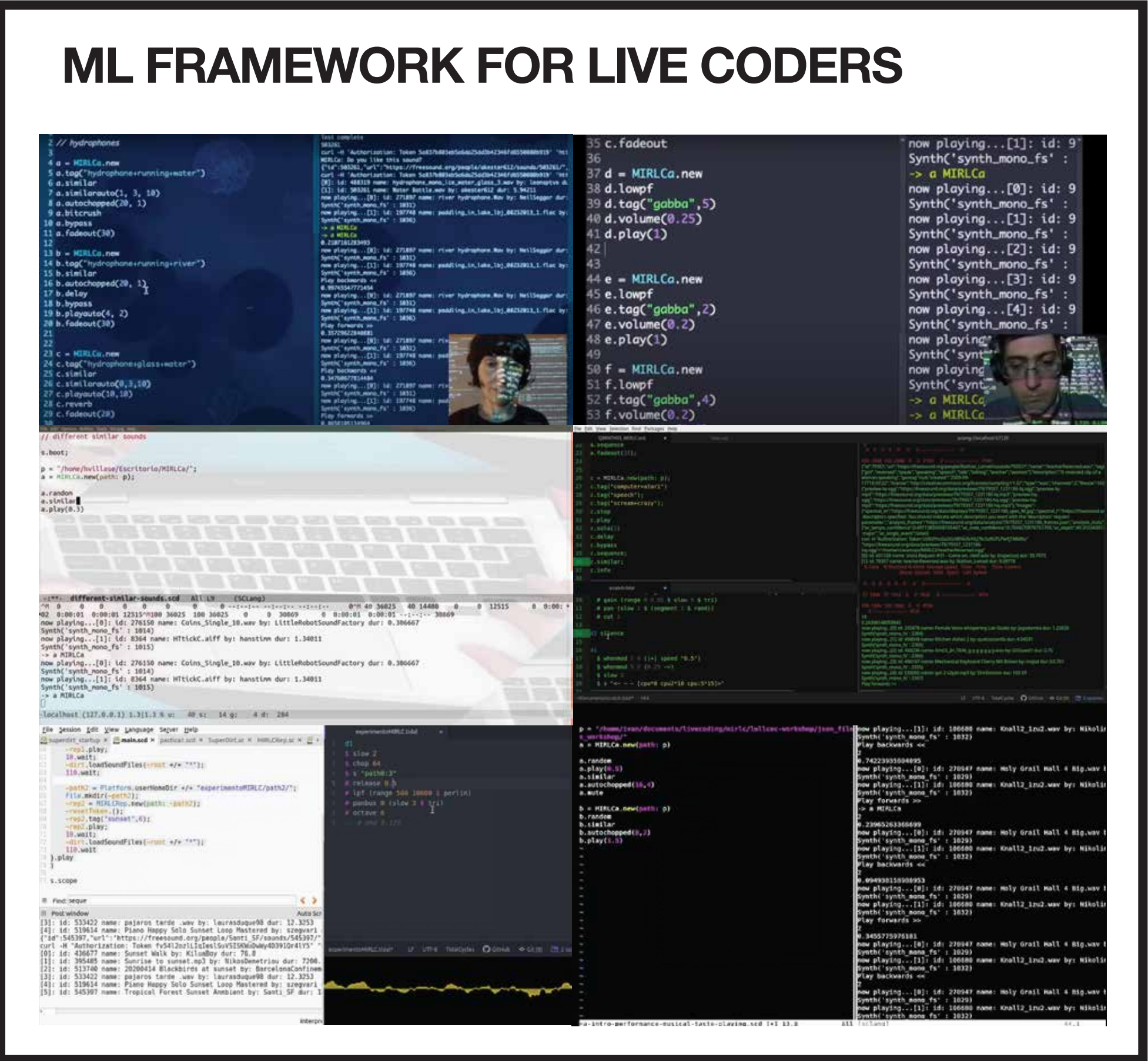
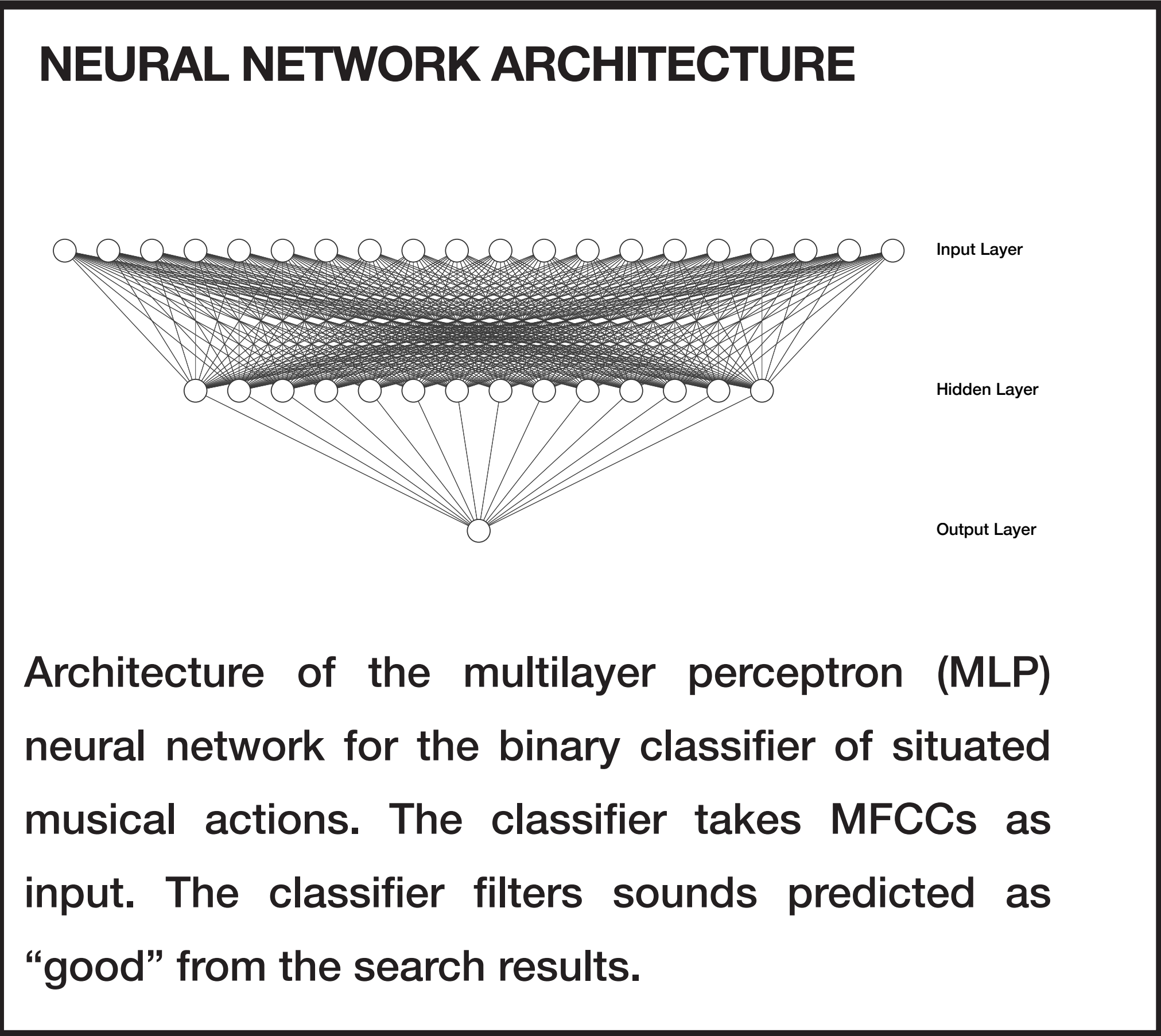
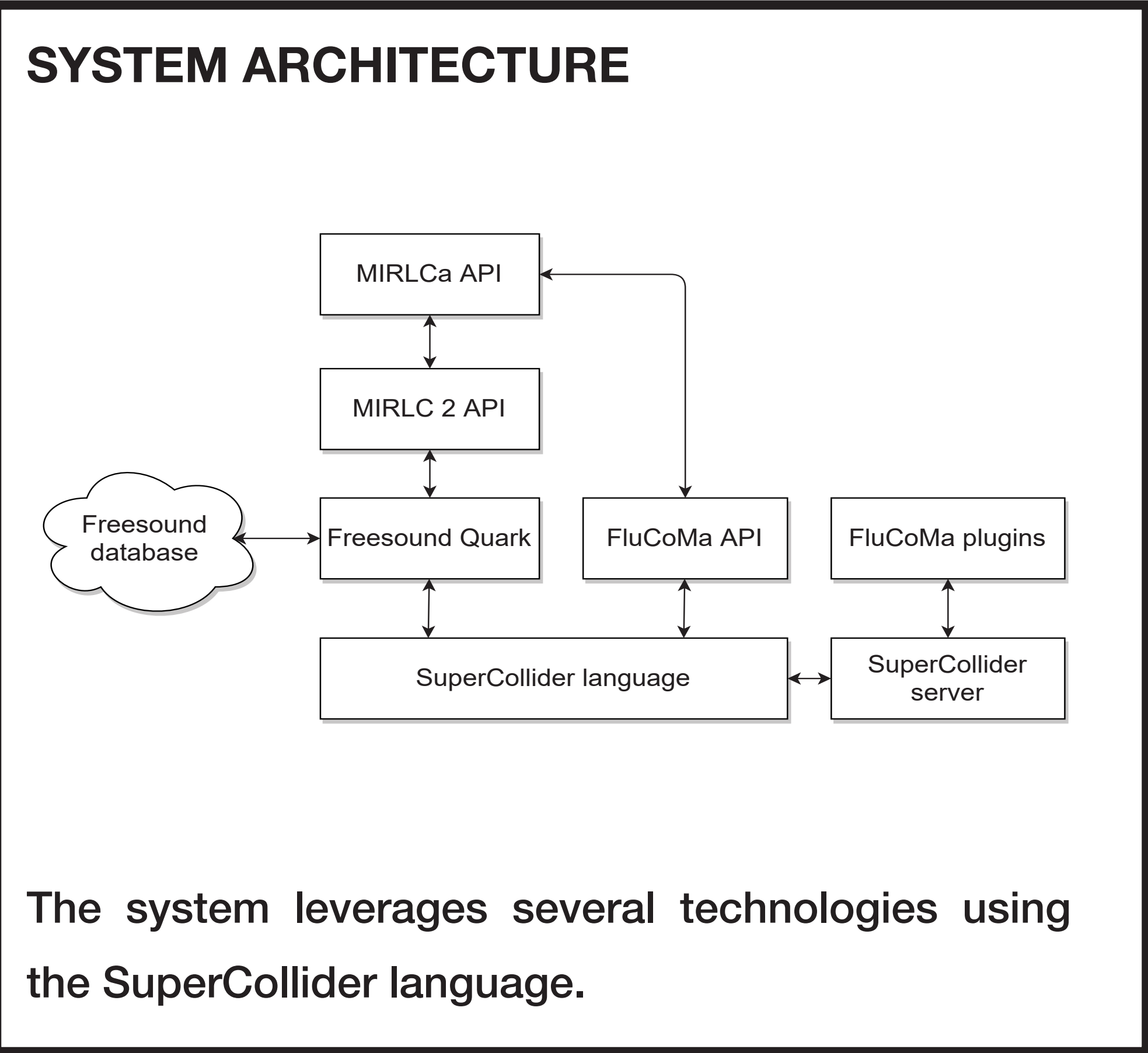
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**SUMMARY**

We present directions for designing a customisable virtual companion to help live coders in their practice. In particular, we introduce a machine learning (ML) model that, based on a set of examples provided by the live coder, filters the crowdsourced sounds retrieved from the Freesound online database at performance time.

**EXAMPLE MODEL**

**Objective:** Accuracies in the range of 76%-83%.  
**Subjective:** Better performance at discriminating between “good” and “bad” sounds.



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