



RODAN

INTERACTIVE CLASSIFIER

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RODAN

GAMERA

INTERACTIVE
CLASSIFIER



SIMSSA

RODAN

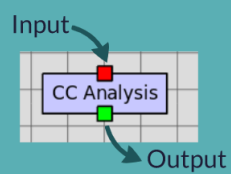
Rodan is a workflow engine that facilitates the communication between web applications in the field of Optical Music Recognition (OMR)

Acknowledgements

Jobs

Jobs

"Jobs are modules that do a specific task in a workflow"



Acknowledgements

- Andrew Hankinson
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- Wendy Liu
- et al.

<https://github.com/DDMAL/Rodan>

GAMERA

Gamera is a framework for custom document recognition, written in python and C++

The Gamera classifier allows users to make labels for glyphs and automatically classifies the rest using the k-nearest neighbours algorithm.

Purpose

**How
Gamera
Works**

Acknowledgements

Purpose

Classification is necessary in OMR as being able to recognize certain symbols
It becomes difficult when faced with:

- Different composers, scribes, monks (differing handwriting)
- Different periods (different notation style)

Classifiers must be made for each of these

How Gamera Works

- Image segmentation
- User classification
- Automatic classification ↻
- User correction
- Export Data

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et al.

<https://github.com/hsnr-gamera>

Interactive Classifier

The Interactive Classifier (IC) is the web version of Gamera

Why
IC?

Acknowledgements

Why IC?

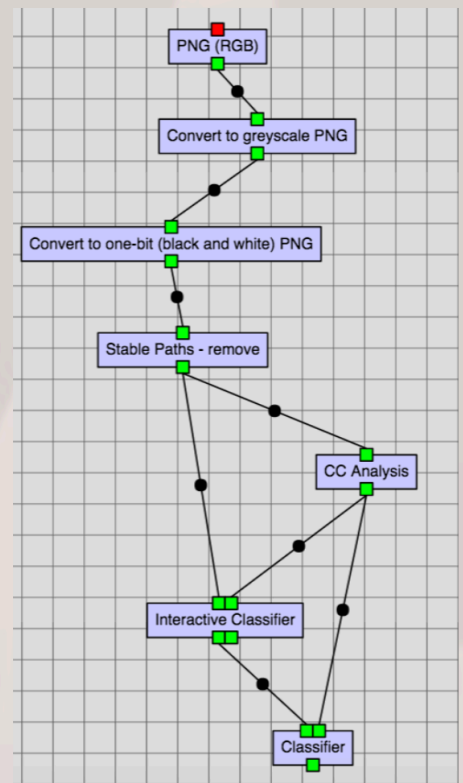
Workflow

Sharing of
Results

Overall
Workflow

Workflow

10



Overall Workflow

11

Document
Analysis

Classifier

Pitch
Finding

Neon



Results

Resources

Upload Resource(s)

Type: application/zip (zip) ▼

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First Previous Next Last Page 1 ▼

Name	Creator	Created ↓	Updated	Type	File exists
CC Analysis - GameraXML - Connected Components	generated result	2017-07-27 11:54:56	2017-07-27 11:54:57	application/gamera+xml	true
Convert to one-bit (black and white) PNG - One-bit PNG image	generated result	2017-07-27 11:54:55	2017-07-27 11:54:56	image/png	true
Interactive Classifier - GameraXML - Classified Glyphs	generated result	2017-07-27 11:54:55	2017-07-27 11:54:57	application/gamera+xml	false
Interactive Classifier - GameraXML - Training Data	generated result	2017-07-27 11:54:55	2017-07-27 11:54:57	application/gamera+xml	false

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CONCLUSION



SIMSSA

CONCLUSION

Rodan

Classification

Gamera

Interactive Classifier

<https://github.com/DDMAL/Interactive-Classifier>

