

Neon.js v1.0

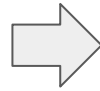
Neume Editor ONLINE

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Neon Within OMR



- Document Analysis
- Classifier
- Pitch Finding



Music Encoding Initiative



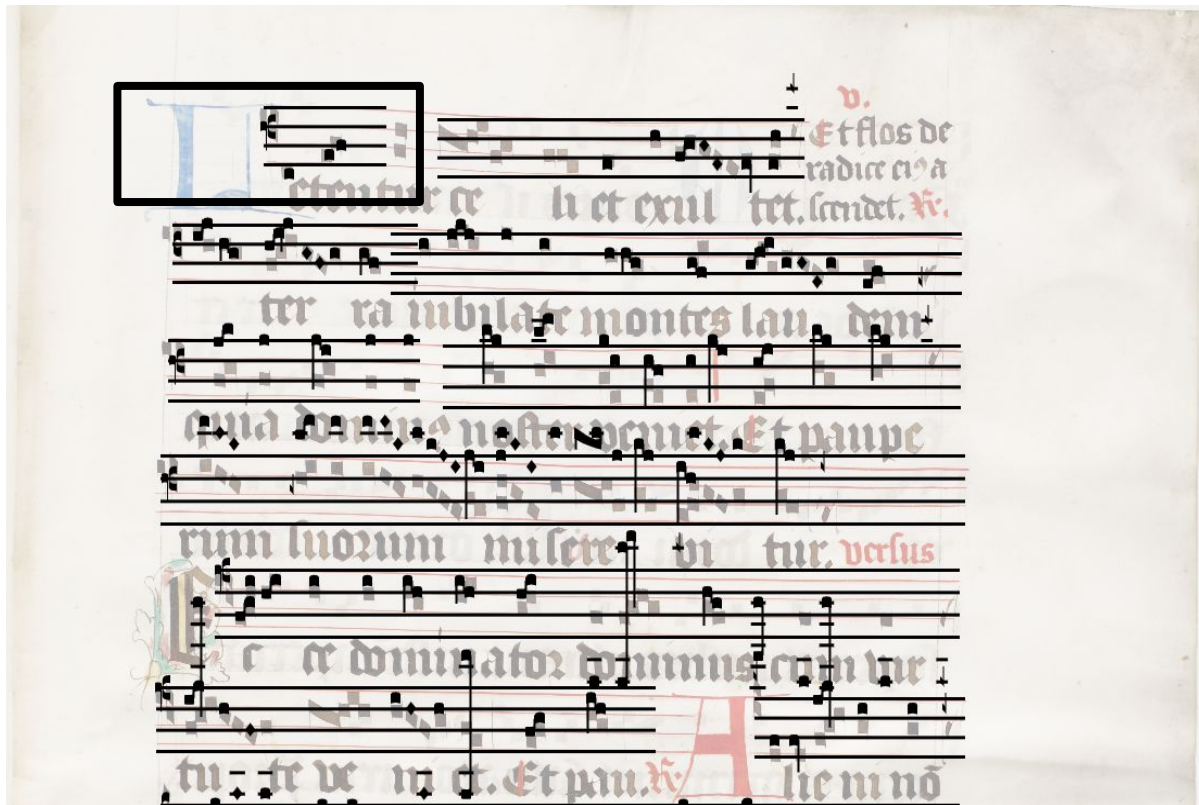
MEI

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  </nc>  
</neume>
```



Layering in Neon

- Neon takes as input an MEI file and an image file (currently JPG)
- Renders MEI data on top of the image
- Users can compare data against the original image and correct the MEI
- MEI file updates with every change made by the user



History

- Neon was started 6 years ago by Gregory Burlet and Alastair Porter as part of SIMSSA
 - <https://github.com/gburlet>
 - <https://github.com/alastair>
- They structured Neon.js as a tool to correct inaccuracies from the OMR process
- They used Fabric.js as a rendering tool for MEI data
- Relatively functional
- We mostly updated user experience and core editing functionality
- Salzannes test set

Demo

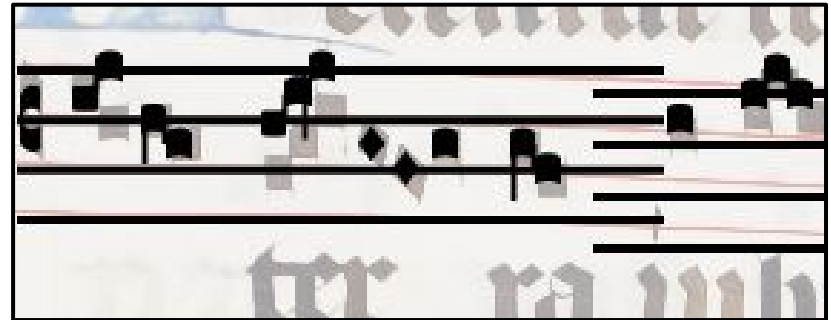
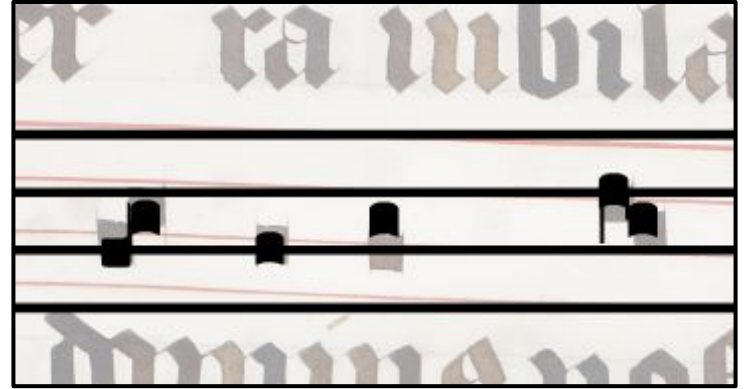
- Overview of main features:

- Basic

- Moving
- Inserting
- Ornaments
- Editing

- Advanced

- Hide tool
- Merging Systems
- Auto-Refresh
- Grouping



[Let's Begin!](#)

Summary of New Features

- Usability (Hotkeys, Zoom, Quick Hide, Undo)
- Advanced correcting functionality (Merging Systems, Clef missing + refresh)
- More options for users (Headshape, Grouping, Arrow Keys)
- Documentation (Users/Developers)
- Tutorial

Moving Forward

- Replacing Fabric.js with Verovio, an open-source library specifically built for rendering and editing MEI files
- Releasing Neon.js v2.0 with Verovio and MEI v4.0
- Implementing Neon as part of the Rodan workflow
- Always improving



Thank you!



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