

**Transaction Tools.** Developed programs and ideas. By Silviu Pitis ([silviu.pitis@gmail.com](mailto:silviu.pitis@gmail.com)).

Name	Description	Useful because:	Status
Quick Compare	Clipboard-based redlining software that produces instant (milliseconds) diffs of arbitrary text. To use, highlight text1 (in a pdf, webpage, word doc, etc.), press hotkey, highlight text2, press hotkey --> instantly produces redline.	<ul style="list-style-type: none"> <li>- Standard redline software is very slow to run (5+ seconds)</li> <li>- Standard redline software only works on full documents</li> <li>- Standard redline software only works on word documents (and pdfs, but slowly and poorly)</li> </ul>	Fully functional / in use.
Contract Clustering and Multidiff	Accepts a folder of contracts with similar provisions (typically around 10-200) and does two things: <ul style="list-style-type: none"> <li>- extracts clusters of provisions by similarity</li> <li>- produces a multi-way diff of each cluster, that simultaneously displays all differences along with an index so that readers know which differences belong to which contract</li> </ul>	<ul style="list-style-type: none"> <li>- When client contracts with 100s of parties and has similar, but slightly different, contract rights/obligations with each, it is critical to understand which party has what and what the differences between provisions are.</li> <li>- This same process is typically done by hand and can take 100s of billable lawyer hours.</li> </ul>	Prototype version developed and successfully used in client work.
Bracket Extractor	Extracts [bracketed language] from documents and organizes into an easy to read index.	<ul style="list-style-type: none"> <li>- When drafting long documents (e.g., a Form S-1), often want to review only bracketed portions of documents (i.e., the parts still being debated / negotiated / drafted).</li> </ul>	Prototype version developed and successfully used in client work.
Working Group Generator	Accepts an email or list of emails and automatically populates a Working Group List – i.e., a table with names, affiliations and contact information.	<ul style="list-style-type: none"> <li>- Working Group Lists take some time to assemble, despite being full automatable.</li> </ul>	Prototype version developed and successfully used in client work. Prototype is deprecated, but very easy to make from scratch.
Similar Language Search Engine for Contracts	Indexes a contract database and enables searches for similar languages. Summarizes results in an interactive format that allows users to view results at different levels of granularity.	<ul style="list-style-type: none"> <li>- For locating precedent provisions with alternate language</li> <li>- For finding all instances of the same type of provision, and summarizing them in an easily digestible format</li> <li>- For providing a birds-eye view of typical/extreme variations of language</li> </ul>	Prototype version developed and working on SEC contract database.
PDF Page Extractor	Given a set of 100s of pdfs, automatically extract certain pages from those pdfs.	<ul style="list-style-type: none"> <li>- Automates an otherwise manual task.</li> </ul>	Successfully used in client work.
Smart Scan for PDFs	Identifies scanned PDF pages and rearranges in correct order; identifies missing pages; crops and runs OCR on specified fields.	<ul style="list-style-type: none"> <li>- Automates an otherwise manual task.</li> </ul>	Idea / not developed.
System Tray CIK lookup	System tray application that quickly pulls up SEC Edgar for a given CIK	<ul style="list-style-type: none"> <li>- Automates an otherwise manual task.</li> </ul>	Idea / not developed.
Automatic Contract Markup	<ul style="list-style-type: none"> <li>- Accepts any draft agreement that typically goes through multiple rounds of negotiations</li> <li>- Uses probabilistic model to output a redline-like highlight / heatmap of how controversial different parts of the agreement are (i.e., how often would the other side propose a change to the language), and offers suggestions for changes (interactive)</li> <li>- Interactive scale allows user to specify how buyer/seller etc. friendly suggestions should be</li> </ul>	<ul style="list-style-type: none"> <li>- Contract markups are major part of mid-level work; this tool would get associates 50% of the way to a full markup, thereby saving hours of time on each contract.</li> </ul>	Idea / not developed.