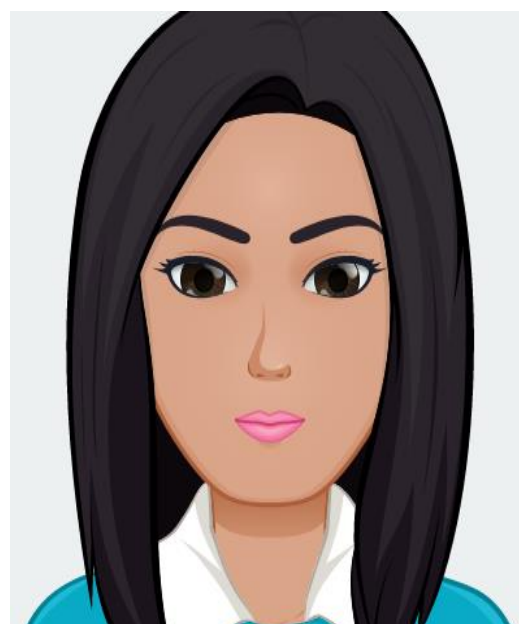


Rachelle Orodio
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Information Technology
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*Automated processing of digitised images
for large scale digitization projects used for
Library online collections & exhibitions.*



My digital toolkit:



How this tool was used?

1. Run Windows
Batch Script

2. ImageMagick
auto-crops, auto-
rotates & reformats
image for pdf

3. ImageMagick
uses Ghostscript to
read/write pdfs

4. Combine PDFs
into a single
collection

```
v:\Digitize\WIP>batch_process_pdf_merge.bat
v:\Digitize\WIP>ECHO OFF
v:\Digitize\WIP>Start = 2018-15-08_0213 PM
Start = 2018-15-08_0213 PM
v:\Digitize\WIP>ECHO End = 2018-15-08_0213 PM
End = 2018-15-08_0213 PM
v:\Digitize\WIP>GOTO :eof
v:\Digitize\WIP>

1 ECHO OFF
2 REM ## Loop through all subdirectories and pass the subfolder to the script
3 SETLOCAL ENABLEEXTENSIONS
4 SET foldername=1
5 FOR /F "delims=" %%i in ('dir /b "%~dp0\%foldername%\*.*") DO (call :subroutine %%i-na)
6 GOTO :eof
7
8 REM ## For each subdirectory CROP the tif file and save as jpg
9 REM ## Convert the cropped jpg to pdf
10
11 :subroutine
12 REM ECHO C:\>-%foldername%\%i: filename
13 FOR /F "tokens=*" %i in ('magick V:\%foldername%\%i.tif -virtual-pixel edge -auto-level -threshold 15% -morphology smooth octagon:4*
14 -morphology dilate octagon:2 -morphology dilate octagon:10 -bordercolor black -border 1x1 -trim -format "%i\%i\%i.tif" info:') DO SET IMTEST=%i
15 REM ECHO %IMTEST%
16 magick V:\%foldername%\%i.tif -bordercolor black -border 1x1 -crop %IMTEST% +sepaga V:\%foldername%\trim_%i-n1.jpg
17 magick V:\%foldername%\trim_%i-n1.jpg -rotate -90 -auto-level -set option:deskev:auto-crop true -resize 2400x2400 -density 200 -unsharp
18 1.5x1+0.7x0.02 -compress JPEG -quality 80% V:\%foldername%\%i.pdf
19 GOTO :eof
20 ENDLOCAL
```



Decreased staff
hours in manual
handling &
formatting of
scanned images.

Name	Date
trim_vb_0003-001.jpg	15/08/2018 2:11 PM
trim_vb_0003-002.jpg	15/08/2018 2:11 PM
trim_vb_0003-039.jpg	15/08/2018 2:11 PM
trim_vb_0003-040.jpg	15/08/2018 2:12 PM
vb_0003-001.pdf	15/08/2018 2:11 PM
vb_0003-002.pdf	15/08/2018 2:11 PM
vb_0003-039.pdf	15/08/2018 2:11 PM
vb_0003-040.pdf	15/08/2018 2:12 PM
vb_0003-001.tif	10/08/2018 10:08 AM
vb_0003-002.tif	10/08/2018 10:08 AM
vb_0003-039.tif	9/08/2018 5:05 PM
vb_0003-040.tif	9/08/2018 5:05 PM



[LINK TO COLLECTION](#)

MONASH DATA
FLUENCY

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