

IDG Technology for Research: Research Software Engineering

An overview for Warwick RSE Autumn Meeting

10/11/22



WARWICK

Team



Godwin Yeboah

Senior Research
Software Engineer



James Tripp

Senior Research
Software Engineer



Steve Ranford

Head of IDG Technology
for Research

Context

- Part of the IT directorate of [IDG](#)
 - New CITO Raja Javaid started Oct '22
- Working with the Centre for Digital Inquiry ([CDI](#))
 - Carolina Bandinelli (interim director for Term 1), Nate Tkacz (founding director)
 - Research Network (currently 48 members) on [Teams](#)
 - Events and training. External speakers in November:
 - Tony Sampson's Guide to A Sleepwalker's Guide to Social Media, Nov 17th, 4-5:30pm
 - How to Think About Digital Subjectivity, Nov 18th, 10am-3pm
 - Sponsoring some internal projects with money or RSE time
- Collaborating with Research Computing
 - IDG is collaborating with Research Computing led by Matt Ismail (Technical Director of Research Computing)
- Faculties of Arts and Social Sciences



RSE methods and tools themes

WARWICK

Databases/
Exhibitions

Text Editions

Data Science,
GIS and AI

RSE methods and tools themes (1)

Databases/
Exhibitions

Common tools



Image organisation and
annotation [1]



Scholarly publishing platform
[2]

[1] [Explore your research photos | Tropy](#); [2] [Omeka S](#)

Current projects



REV.E (Revolution and Empire) –
Database and calendar of French
theatre between 1799 and 1804



History of Art Slide Archive – images
with original archivist labels and AI
model image classifications



**Dante's modern female audience in
Britain, Ireland and Italy** – Database
of readership circulation and
transmission for visualisation and
analysis

RSE methods and tools themes (2)

Text Editions

Common tools



<oxygen/>

XML editor and processor

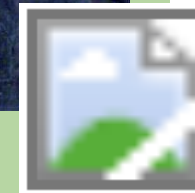


Digital edition publication platform

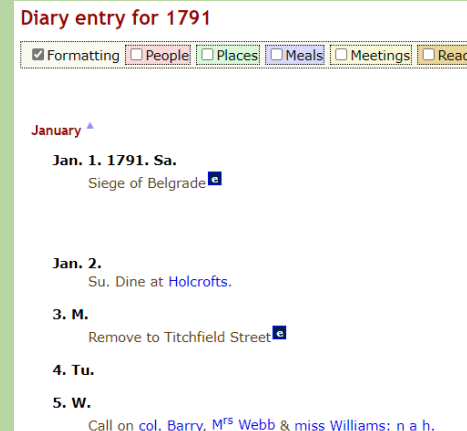
Current projects



The complete (and lost [3]) works of James Shirley



rm.
The Wayback Machine has not archived that URL.
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William Godwin's Diary v2.0 [4]

[1] [Oxygen XML Editor](#); [2] [TEI Publisher](#); [3] [The Complete Works of James Shirley \(kcl.ac.uk\)](#); [4] [William Godwin's Diary \(ox.ac.uk\)](#)

RSE methods and tools themes (3)

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Data Science,
GIS and AI

Consulting on, scripting and training in relevant ways for humanities for:

- Social media analysis (R)
- Network analysis (Gephi)
- Computer vision for humanities inc. image classification (Keras, detectron2)
- Text analysis (Python, Gale Scholar Lab)
- Spatial humanities, mapping and GIS (Omeka S, QGIS and ArcGIS)

... and plenty more!

Enabling and sustaining the work

CI-CD for common tools

Consultancy and Training on the themes and beyond

Long-term access to web-based research outputs

Getting tools in the Software Catalogue



Team introductions...



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Senior Research
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