

# Hugh Cayless

philomousos@gmail.com  
http://philomousos.com

## PROFILE

I have two decades of experience combining independent scholarship in Digital Humanities, Classics, and Information Science with work as a software architect, engineer, and project manager.

## EXPERIENCE

Senior Digital Humanities Developer, Duke University — July 2013 – present

Digital Library Analyst/Programmer, New York University — Feb 2009 – June 2013

Head, Research and Development Group, Carolina Digital Library and Archives, UNC Chapel Hill — 2007-2009

Senior Software Engineer, Lulu; Morrisville, NC — 2004-2007

Academic Applications Developer; UNC Chapel Hill, Chapel Hill, NC — 2000-2004

## ACADEMIC SERVICE AND GRANTS

Treasurer, TEI Consortium, 2018–present

TEI Technical Council Chair, 2015–2018

Chair, Symposium on Cultural Heritage Markup, Balisage 2015

TEI Technical Council Member, 2012–present

Adjunct Professor; School of Information and Library Science, UNC Chapel Hill 2003–2009

Consultant on Mellon-funded Digital Latin Library project (<http://digitallatin.org/>), 2015–2017

Co\_investgator on SNAP (Standards for Networking Ancient Prosopographies: Data and Relations in Greco-Roman Names), funded by the UK AHRC (<http://snapdrgn.net/>)

Co-PI on *IMG2XML*, NEH Startup Grant project to explore text-image linking for manuscripts (<https://securegrants.neh.gov/publicquery/main.aspx?f=1&gn=HD-50601-09>).

Consultant on Mellon-funded Integrating Digital Papyrology project, 2007–2009.

Founding member of the EpiDoc Collaborative (<http://epidoc.sf.net>).

## EDUCATION

School of Information and Library Science, UNC Chapel Hill, NC — MSIS, 2005

UNC Chapel Hill, NC — Ph.D, Classics, 1999

UNC Chapel Hill, NC — MA, Latin, 1994

Cornell University, Ithaca, NY — BA, Classics and History, 1991

## SKILLS AND EXPERIENCE

Experience in software architecture, information retrieval systems, metadata schema development. Relational database development with PostgreSQL, MySQL, Oracle, etc.; RDF triple store development with Jena. Graph database development with Neo4J Search engine development with Lucene and Solr.

20 years of programming experience in various programming languages, most recently Clojure, Java, Ruby, Python, Javascript, and PHP. Also C++, Visual Basic, bash, etc.

20 years of XML experience, including converting corpora from SGML to XML and processing large XML corpora, development using XML databases (eXist), and defining new XML schemas; XSLT 1.0 — 3.0, XQuery, XML Schema, RelaxNG, Schematron, DTD. Experience with TEI, METS, MODS, Dublin Core, RDF, EAD.

## SELECTED PAPERS AND PRESENTATIONS

“Directory Services for Classical Informatics,” *Classics@* issue 2, Harvard Center for Hellenic Studies, March 2004.

"Linking Page Images to Transcriptions with SVG." Presented at Balisage: The Markup Conference, 12 - 15 August 2008. In *Proceedings of Balisage: The Markup Conference* (2008).

"Epigraphy in 2017," *Digital Humanities Quarterly* (Winter 2008).

"Linking Text and Image with SVG," *Kodikologie und Paläographie im digitalen Zeitalter - Codicology and Palaeography in the Digital Age*, Malte Rehbein, Patrick Sahle, and Torsten Schaßan edd., (2009).

"Digitized Manuscripts and Open Licensing," *Digital Proceedings of the Lawrence J. Schoenberg Symposium on Manuscript Studies in the Digital Age: Vol. 2: Issue. 1, Article 7* (2010). <http://repository.upenn.edu/ljsproceedings/vol2/iss1/7/>

"Ktêma es aiei: Digital Permanence from an Ancient Perspective," *Digital Research in the Study of Classical Antiquity*, Gabriel Bodard and Simon Mahony, edd., (2010).

"On Implementing string-range() for TEI," *Proceedings of Balisage: The Markup Conference 2010. Balisage Series on Markup Technologies*, vol. 5 (2010). doi:10.4242/BalisageVol5.Cayless01.

"Building Digital Classics," in *#Alt-academy*, a *MediaCommons* project, Bethany Nowvisike ed. (2011). <http://mediacommons.futureofthebook.org/alt-ac/>

"Rebooting TEI Pointers," *Journal of the Text Encoding Initiative*, Issue 6 (2013). <https://journals.openedition.org/jtei/907>

Depauw, Mark, Gabriel Bodard, Hugh Cayless, Leif Isaksen, Faith Lawrence, Sebastian Rahtz, "Standards for Networking Ancient Person data: Digital approaches to problems in prosopographical space," *Digital Classics Online*, Bd. 3,2 (2017). <http://journals.ub.uni-heidelberg.de/index.php/dco/article/view/37975>

"Critical Editions and the Data Model as Interface," in *Digital Scholarly Editions as Interfaces*, *Schriften des Instituts für Dokumentologie und Editorik*, Bd. 12 (2018). <https://www.i-d-e.de/publikationen/schriften/bd-12-interfaces/>

Cayless, Hugh, and Raffaele Vigiante. "CETELcean: TEI in the Browser." Presented at Balisage: The Markup Conference 2018, Washington, DC, July 31 - August 3, 2018. In *Proceedings of Balisage: The Markup Conference 2018. Balisage Series on Markup Technologies*, vol. 21 (2018). <https://doi.org/10.4242/BalisageVol21.Cayless01>.

"Sustaining Linked Ancient World Data," in *Digital Classical Philology: Ancient Greek and Latin in the Digital Revolution*, Monica Berti, ed., Berlin, Boston: De Gruyter Saur (2019). <https://www.degruyter.com/view/product/502894>