

Jamie Little

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GitHub: [little9](#) | RubyGems: [little9](#) | npm: [little9](#)

Education

2011 M.S. in Library and Information Science, University of Illinois Urbana-Champaign

2009 B.A. in History, University of Missouri-Columbia

Training

2016 Digital Preservation Management Workshop

Awards

2014 Society of American Archivists C.F.W. Coker Award for Remixing Archival Metadata Project (RAMP) with Tim Thompson, Matt Carruthers, Andrew Darby and David Gonzalez

Publications & Presentations

Presentations

2016 "WARC Workflows: A pilot project for the local preservation of institutional web archives" DLF Forum 2016 with Laura Capell and Lauren Work

2016 "Fabric vs. Shell Scripts for Software Deployment", University of Miami Libraries Tech Talk

2015 "The Academic Preservation Trust: Report on First Months of Production" Spring 2015 CNI Membership Meeting with Andrew Diamond, Chip German, Laura Capell, and Linda Newman

2015 "Low Barrier Cloud Archives: APTrust Automation at the University of Miami Libraries" 2015 SEFLIN Regional Conference

Journal Articles

2013 "From Finding Aids to Wiki Pages: Remixing Archival Metadata with RAMP" The Code4Lib Journal 22, with Tim Thompson, Matt Carruthers, Andrew Darby and David Gonzalez

Technical Skills

Programming Languages

Ruby, Python, Java, JavaScript, XSLT, PHP, SQL, Perl, C#, Go, Bash

Software Development Tools

GitHub, git, BitBucket, GitHub Issues, Asana, Pivotal Tracker, RubyGems, npm, Subversion

DevOps Tools and Skills

Vagrant, Docker, Docker Hub, Travis CI

Markup and Metadata Standards

TEI, EAD, MARC, EAC

Academic Experience

2016-Present Digital Preservation & Application Development Librarian, University of Miami Libraries

SolrFITS

- Developed a Java application using the FITS and Solr APIS to ingest FITS metadata into a Solr instance for a given set of files

MiniHarvest

- Created a Ruby gem for harvesting a complete set of MARCXML records from an OAI-PMH endpoint

Gladstone

- Developed a JavaScript utility to create BagIt archives

Internet Archive/APTrust Collaboration

- Created a work flow to download ArchiveIt collections from the Internet Archive and upload them to the Academic Preservation Trust
- Provided feedback on network performance to the Internet Archive to enable institutions to download web archives in bulk

UM Digital Preservation Assessment

- Wrote documentation for the hardware and software being used for storing digital assets at UML
- Worked on assessing the UM digital preservation environment based on the OAIS model

South Florida DPLA SubHub Project

- Created a [wiki](#) to document the process of creating a subhub for the Digital Public Library of America
- Collaborated with Florida International University on enhancing OAI-PMH feeds
- Contributed issues and feedback to the SobekCM project

Remixing Archival Metadata Version 2

- Created and published a Docker image for installing the software
- Refactored the software to utilize Underscore.js for views

UM Libraries Digital Collections Metadata Enhancement

- Created, [pitcher](#), a Ruby gem for updating CONTENTdm metadata in bulk using the Catcher SOAP API
- The tool was used by metadata librarians to add rights statement metadata to digital collections

CaneCard Reader

- Created a C# application that decodes a USB HID (Human Interface Device) response from a Magtek card reader to perform a SOAP request to get a patron's ID number
- Used system libraries to output the ID as keyboard input with a return key press to trigger a form submission

Professional Experience

2013-2016 Digital Programmer, University of Miami Libraries

Academic Preservation Trust Testing

- Created an internal work flow for uploading collections to APTTrust
- Created software to automate creation of FITS technical metadata and upload to Amazon S3
- Assisted colleagues at the University of Cincinnati to modify the software to work in their environment

Cuba Policy Tweets

- Created scripts to archive hashtags selected by CHC archivists
- Archived over 20GB of tweets that occurred during the 2014 US-Cuba policy change
- Created Python scripts to ingest data into a PostgreSQL database & visualisations to show Twitter activity on a map
- Supervised graduate students who created D3 based visualizations for the data

Omeka Exhibits

- Responsible for installing, upgrading, and maintaining an Omeka installation
- Integrated item level pages with Aeon to allow users to request items
- Created a plug-in to allow exhibits to be viewed in the order they appear in an exhibit
- Added functionality to themes to improve usability

UM Libraries Digital Collections

- Worked with the public CONTENTdm API to generate reports and enhance other applications
- Created scripts utilizing the CONTENTdm Catcher API to improve metadata
- Integrated Kaltura player for audio and video items

SubjectsPlus

- Updated the project to use the PSR-1 interoperability standard specified by the PHP Framework Interoperability Group
- Provided user support on the public mailing list
- Created software to import content from LibGuides XML

UDVD

- Exported MARC records from Ill and used SolrMarc to perform an initial ingest into Blacklight
- Wrote scripts for SolrMarc to extract film metadata from natural language fields in their MARC records
- Modified Solr schema to expose useful metadata
- Created SPARQL queries to pull in linked data from DBPedia

RAMP (Remixing Archival Metadata Project)

- Developed a web service to validate XML
- Created the JavaScript based interface
- Participated in user testing and focus groups

2013 Webmaster, [JCDL 2013](#)

- Installed and maintained a Drupal installation
- Designed a theme based on provided design concepts
- Developed a plan to archive the site after the conference

2013 Programmer, [CIRSS](#) Website Redesign

- Completed database architecture based on an ERM diagram
- Wrote SQL and PHP code to link different content in the database
- Completed work on CSS

2011-2012 Programmer, Digital Humanities Data Curation Guide

- Created a custom commenting system to allow users to annotate articles
- Created scripts to run XSLT transformations when XML was updated by authors
- Participated in and helped conduct user testing at the UIUC Library Scholarly Commons
- Created an XSL-FO stylesheet to generate PDF versions of the articles

2010 Internship, [The HistoryMakers](#) African American Video Oral History Collection

- Reimplemented a Microsoft Word based system of cataloging information about interviewees into a database driven system
- Created documentation for future interns showing how to properly document information about future interviewees using Library of Congress authorities
- Observed digital video archival techniques

2010-2013 Research Services Graduate Assistant, University of Illinois Graduate School of Library and Information Science

- Customized and maintained a Drupal based system for storing research project documents such as grant proposals and award letters
- Used tools like Google Charts and DataTables to visualize grant funding
- Created a Django based prototype for a future version of the software
- Maintained an XML schema and stylesheet that created the list of research projects on the GSLIS website