

# Jamie Little

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## Education

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

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

## Training

2018 Practical Object Oriented Design with Sandi Metz

2016 Digital Preservation Management Workshop

## 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

Ansible, Vagrant, Docker, Docker Hub, Travis CI

## Experience

2017-Present Software Developer, Data Curation Experts

### Emory University

- Created a Vue.js based thesis deposit interface

### Avalon IIF Video Player

- Implemented a plain JS application to process and display IIF-AV metadata with video

### Tufts Digital Repository

- Used React to implement front-end features

### PSU ScholarSphere

- Re-wrote back-end storage layer to use redirection to HTTP hosted assets

### Ansible for Samvera

- Wrote Ansible playbooks to deploy yarn and webpack with Rails 5

## OHSU

- Customized the interface with SASS

2016-2017 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

2013-2016 Digital Programmer, University of Miami Libraries

## Academic Preservation Trust Testing

- Created an internal work flow for uploading collections to APTrust
- 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 III 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

- Re-implemented 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

## 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: APTTrust 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