

Craig MacEachern

📍 <https://craigm.ca> ✉ craigm@fastmail.com ☎ (343) 363-8855 📱 in/cmaceachern 🏠 github.com/craigmac

SUMMARY

Full-stack capable, formally-trained web/systems librarian with a passion for helping others through code.

EXPERIENCE

Digital Information Archivist Calian Technologies Ltd.

September 2013 - Present

- Developed and managed internal MediaWiki installation used for knowledge management.
- Developed and maintained user and developer documentation written in AsciiDoc and built using an Node.js/Antora/Git/Docker stack.
- Automated records management tasks via server scripting (Python).
- Conceived, created, and administered the company intranet wiki portal, using MoinMoin and custom plugins wrote in Python.
- Wrote a Windows GUI application to scan networked drives using Python.

Lead Software Developer

Barker Software (self-employed)

January 2016 - Present

- Developed of a cross-platform match timer and scoreboard for Brazilian Jiu-Jitsu.
- Designed in a two window, responsive design manner: one for controls, and a second to displaying scoring/timing on an external screen.
- Learned C++/Qt 5 to build this application, out of necessity.

Information Officer

Government of Canada

September 2012 - September 2013

- Authored a comparative analysis between three competing Enterprise Content Management (ECM) vendors considering such facts as cost, Department of Defense 5015-2 compliance, and in-house data and security requirements.
- Responsible for creating crucial white papers on RM design decisions and socializing them for feedback, including the ECM configuration document.
- Analyzed hundred of printers across the organization to determine what printers should removed, consolidated, or upgraded to newer models.
- Responsible for liaising with clients, setting up meetings, gathering necessary requirements for SharePoint team project sites (access rights, libraries, special list needs, retention schedules, term stores) by answering service calls through a centralized electronic service desk

System and Archives Assistant

Saint Mary's University Patrick Power Library

September 2011 - September 2012

- Involved with researching and evaluating the use of the PDF-A (Archive PDF format) for future digital thesis submissions.
- Scanned, modified, and entered over 600 archives photographs into the university's DSpace repository according to RAD standards.
- Exported and modified records from Microsoft Access to CSV for ingestion.
- Analyzed the web usage statistics of the provincial inter-library NOVANET system, and published a report for the NOVANET board charting institutional usage over the last four academic years.
- Analyzed and wrote a report on the usage of WorldCat Local federated searches for various universities in the province.
- Involved in several aspects of examining policy and copyright review.
- Assist students and faculty in all areas of academic research (planning, search strategies, assessing and finding sources).
- Received training covering the use of popular business and financial databases such as TSX online, CANSIM, Equinox, Mergent, and FPinformart.

Teaching Assistant for Electronic Information Management

Dalhousie University

September 2011 - May 2012

- Graded assignments and exams under tight deadlines for over 30 students learning Microsoft Word, Access, Excel, PowerPoint, and HTML/CSS.

iLab Research Assistant

Dalhousie University

December 2010 - June 2011

- Analyzed several hundred quantitative and qualitative answers from a thesis study.

- Researched and maintained a bibliography for an upcoming book by iLab founder Dr. Elaine Toms.
- Recorded, monitored, and instructed study participants.

COURSEWORK

Front End Libraries

freeCodeCamp.org • React, Redux, jQuery, Sass, REST API

Created five apps: random-quote generator; markdown previewer; drum machine; calculator; and pomodoro clock.

JavaScript Algorithms and Data Structures

freeCodeCamp.org • JavaScript

Created 5 projects: cash register; Caesar cipher; palindrome checker; telephone regex validator; and roman numeral converter.

Responsive Web Design

freeCodeCamp.org • HTML, CSS, JavaScript, Bootstrap, jQuery

Built 5 responsive design sites including technical documentation site and personal portfolio.

Build a Modern Computer from First Principles: From Nand to Tetris

nand2tetris.org • HDL

Learned how to design and build and bootstrap a working 16-bit virtual computer from the ground up.

Linux Foundation Certified System Administrator

linuxfoundation.org • Red Hat Linux, Bash, System Administration

Passed a hands-on 3 hour test on Red Hat System administration tasks.

EDUCATION

Master of Library and Information Studies

Dalhousie University • Halifax, Nova Scotia • 2012

Bachelor of Arts, English Language and Literature

Minor in Religious Studies • Saint Mary's University • Halifax, Nova Scotia • 2010