

# Coral Sheldon-Hess

coral@sheldon-hess.org | coral.sheldon-hess.org | github.com/csheldonhess

---

## Skills:

Python, JavaScript, jQuery, HTML, CSS, PHP, GitHub, gitflow, WordPress, Photoshop, MATLAB, usability testing, teaching, writing, public speaking, social media

## Professional Experience:

*Librarian and Web Developer*, January 2015 - present

### **Freelance/Self**

- Updated and converted the University of Maryland College of Information Studies course INST 630, Introduction to Programming for the Information Professional (in JavaScript), to online format and taught a section in fall 2016.
- Located books, articles, theses, and conference proceedings; verified authenticity and date of public availability; and wrote declarations attesting to those findings for use in patent litigation.
- Maintained and updated websites, primarily in WordPress.

*Developer*, September - December 2014

### **Center for Open Science**

- Developed harvesters to fetch and normalize metadata from institutional and discipline repositories for the SHared Access Research Ecosystem (SHARE) notification service.
- Contributed to the Open Science Framework with front-end (JavaScript, CSS, HTML5) and back-end (Python) improvements, including unit tests.

*Web Services Librarian/Assistant Professor*, October 2009 - September 2014

### **University of Alaska Anchorage/Alaska Pacific University Consortium Library**

- Designed, maintained, and improved library websites and web services.
- Chaired Web Development Team; and proposed, designed, and chaired Social Media Team.
- Wrote a plan for development of the library's web presence and follow-up documents, including Best Practices for Topic Guides and Library Social Media Marketing Plan.
- Trained and supported colleagues in the use of web-based technologies.
- Installed and customized open-source web applications and led acquisition and implementation of web applications purchased from vendors, including coordinating policies around their use.
- Managed multiple content management systems, including MODX, WordPress, LibGuides, and Open Atrium (a constrained form of Drupal).
- Performed usability testing on websites and vendor-supplied applications.

*Senior Consultant*, June 2006 - February 2008

### **Booz Allen Hamilton**

- Supported US DOT's Vehicle Infrastructure Integration (VII, now Intellidrive) program as a wireless systems engineer, software requirements analyst, and project manager.
- Wrote sections of, managed subcontractors' input to, and coordinated/edited 60+ team members' contributions to the VII System Requirements Specifications.
- Refined document creation workflows, increasing documents' accuracy and decreasing creation time significantly.
- Analyzed/edited requirements for VII subsystems and applications.
- Contributed to several proposal teams, writing a key technical section of a \$93M proposal and writing as well as editing/coordinating authors' contributions to a \$6M proposal.
- Recruited and interviewed candidates for hire.

## Education:

**University of Pittsburgh** – Master of Library and Information Science, 2009

**Carnegie Mellon University** – MS, Electrical and Computer Engineering, 2005

**University of Virginia** – BS, Electrical & Computer Engineering - *With Highest Distinction*, 2003  
Minors: Computer Science, Chinese Language & Culture

## Selected Honors and Awards:

- 2017 NASA Datanaut
- Code4Lib 2014 Conference Diversity Scholarship Recipient
- ALA 2012 Emerging Leader, sponsored by the ACRL Science & Technology Section
- Pacific Northwest Library Association “LEADS” Leadership Institute, October 2010
- UCLA student scholarship to attend Electronic Resources & Libraries 2009
- High 5 Award (Booz Allen Hamilton), 2007 - In recognition of dedication to fostering a collaborative community across ITI Home Team 1
- Performance Recognition Award (Booz Allen Hamilton), 2006 – For outstanding support and dedication in developing the subsystem specifications and interface requirements for the Vehicle Infrastructure Integration Project.
- Rodman Scholar (University of Virginia), 2000-2003; Echols Scholar, 1999-2000
- Eta Kappa Nu - Electrical Engineering Honors Society
- Tau Beta Pi - Engineering Honors Society

## Selected Conference Presentations and Panels:

- “Command Line Bootcamp,” Co-leader, Code4Lib Preconference, 3/7/2016.
- “Level Up Your Coding with Code Club (yes, you can talk about it),” Code4Lib, 2/10/2015.
- “Open source could save libraries! Maybe!,” Open Source Bridge, 6/24/2014.
- “Getting buy-in on user centricity,” LITA National Forum, 11/10/2013.
- “Back in the Stacks, Bringing Professional Organization into Professional Life,” ACRL New Members Discussion Group Panel Discussion at ALA Midwinter, 1/27/2013.
- “Librarians Build Communities: Advocacy Through Volunteerism,” Pacific Northwest Library Association Annual Conference, 8/3/2012.
- “Social Media Starter Kit,” Alaska Library Association Annual Conference, 2/18/2011.
- “Implementing New Tech Tools,” DirLead (Alaska Public Library Directors’ Leadership Group) Annual Meeting, 10/15/2010.

## Recent Professional Development:

- NASA Datanauts (2017)
- Abstractions (2016)
- Google I/O (5/18/2016)
- Pittsburgh TechFest (6/11/2016)
- Code4Lib Conference (2014, 2015, 2016), presenter
- The Data Scientist’s Toolbox, Johns Hopkins University (2015)
- Open Source Bridge (2014)