

Coral Sheldon-Hess

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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 Professional Experience:

Developer, September 2014 - 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 expertise about metadata and library culture to the development of the SHARE system architecture and discussions of COS positioning/marketing to SHARE stakeholders.
- Contributed to the Open Science Framework with front-end (JavaScript, CSS, HTML5) and back-end (Python) improvements, including unit tests. Used Git-Flow for version control.

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.
- Installed and customized open-source web applications (e.g. LibStats, phpScheduleIt, Omeka - PHP/MySQL) and led the acquisition and implementation of vendor-supplied applications (e.g. LibGuides, LibAnswers), including coordinating policy development around their use.
- 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.
- Chaired Web Development and Social Media Team; served as Acting Head of Systems in department head's absence (approximately 14 weeks).

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, maintaining and updating requirements in Rational Requisite Pro.

Research Assistant, June 2003 - August 2005

Carnegie Mellon University - Electrical & Computer Engineering Department

- Designed and implemented experiments that created large data sets; analyzed data in MATLAB.
- Provided engineering expertise to PennDOT's Tunnel Radio project, helping to design and build a system to retransmit AM and FM radio into two of Pittsburgh's tunnels.

Selected Honors and Awards:

- 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
- Eta Kappa Nu - Electrical Engineering Honors Society
- Tau Beta Pi - Engineering Honors Society

Selected Professional Involvement:

- Anchorage Programming Workshop (2013-2015)
 - Co-founder and co-host (2013)
 - Host/manager (2014-15)
 - Teacher/trainer (2013-14)
- American Library Association (2008-present)
 - ALA Councilor-at-Large (2013-14)
 - New Members Round Table (2008-14)
 - Member Services Director (2011-13)
 - Student and Student Chapter Outreach Committee (2008-10), Chair (2009-10)
 - Web Committee (2009-10), Chair (2013-14)
 - Library Information Technology Association (LITA) (2009-present)
- In the Library with the Lead Pipe, Tech Lead (2013-present)
- Alaska Hackathon participant and organizing committee (2013-14)
- Alaska Library Association (2009-14)
 - Anchorage Chapter – President (2011), Past-President (2012-13)
 - New Members Roundtable – Founder (2011), Chair (2011-12)
 - AkLA Annual Conference – Technology Coordinator (2010), Website Chair (2014)
 - Social Media Committee (2010-present), Chair (2013-14)

Selected Conference Presentations and Panels:

- “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.
- “Technology, Librarianship, and Gender: Moving the conversation forward” (full day pre-conference, co-moderator), “Codes of Conduct” (mini-session moderator), Code4Lib. 3/24/2014.
- “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.
- “Implementing New Tech Tools,” DirLead (Alaska Public Library Directors’ Leadership Group) Annual Meeting, 10/15/2010.