# Coral Sheldon-Hess

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**Skills:** Python, JavaScript, jQuery, HTML, CSS, PHP, Git, gitflow, WordPress, Photoshop, data analysis, usability testing, problem solving, systems thinking, teaching, writing, public speaking

## Professional Experience:

*Librarian and Web Developer*, December 2014 - present
**Freelance/Self**
- Taught DAT-119 (Python I) and team-taught DAT-201 (Data Analytics 1) at the Community College of Allegheny County in Spring 2019.
- Worked as part-time reference librarian at CCAC; solved patrons' and coworkers' technology problems using freely available tools such as OpenRefine; developed collections in Computer Information Technology; and created instructional content for in-person and online users.
- Wrote metadata harvesters for the Shared Access Research Ecosystem (SHARE), to pull XML metadata from online repositories and convert them into a standardized JSON schema.
- Updated and converted the University of Maryland College of Information Studies course INST 630, Intro to Programming for the Information Professional (in JavaScript), to online format and taught a section in fall 2016.
- Maintained and updated websites, primarily in WordPress.

*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 (LAMP stack).
- Installed and customized open-source web applications (PHP).
- Led acquisition and implementation of web applications purchased from vendors, including training/supporting colleagues on new technologies and coordinating policies around their use.
- Wrote a plan for development of the library's web presence and a social media marketing plan.
- Developed a model for UX thinking in organizations that is used by libraries internationally.

*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.

## Education:

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

**Carnegie Mellon University** – MS, Electrical and Computer Engineering, 2005
    Performed analysis of large data sets in MATLAB to complete thesis, "A Two-Element Directional Antenna for Coupling Wireless Signals into HVAC Ducts"

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