**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:**

*Assistant Professor*, Sept 2019 - present

# Community College of Allegheny County

* Courses taught:

|  |  |
| --- | --- |
| * CIT 100 - Comp Fundamentals & Applications | * DAT 119 - Python 1 |
| * CIT 115 - Info Technology Fundamentals * CIT 125 - Web Development | * DAT 201 - Data Analytics 1 * DAT 202 - Data Analytics 2 |
| * CIT 215 - Systems Analysis & Design | * CIT 145 - Programming in C |

*Web Services Librarian/Assistant Professor*, Oct 2009 – Sept 2014

**University of Alaska Anchorage**

* Designed, maintained, and improved library websites and web services (LAMP).
* Chaired Web Development Team; proposed, designed, and chaired Social Media Team; and served on Assessment Team.
* Created a model for thinking about user-centricity of organizations. It has been used by user experience librarians, internationally.
* Trained and supported colleagues in the use of web-based technologies.
* Installed and customized open-source web applications (e.g. LibStats, Omeka) and led acquisition and implementation of web applications purchased from vendors (e.g. Springshare suite), including coordinating policy development around use.
* Managed multiple content management systems, including MODX, WordPress, LibGuides, and Open Atrium (a constrained form of Drupal).

*Senior Consultant*, Jun 2006 - Feb 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.
* 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.

**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
* 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 Professional Involvement:**

* Oceans of Data Community of Practice (2020-present)
* Code4Lib (2014-present)
  + Conference Documentation Committee (2015-present)
  + Conference Accessibility Committee (2016-present)
  + Fiscal Continuity Workgroup (2016-18)
* Code for Pittsburgh (2015-present)
* Pittsburgh Python User Group (2018-present)

**Selected Conference Presentations and Panels:**

* “Introduction to GitHub,” Western Pennsylvania OER Training Day, 7/11/2019.
* “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.
* “Tune in, Turn on, and Get Social,” Panel Member, Alaska Library Association Annual Conference, 3/2/2014.
* “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.
* “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.

**Selected Workshops and Training Sessions:**

* “Getting buy-in on user-centricity.” Guest lecture for LIS 861, UW-Madison School of Library and Information Science. 5/5/14.
* “Intro to the Command Line.” Anchorage Programming Workshop. 2/19/14.
* “WordPress Basics.” Anchorage Programming Workshop. 10/16/13.

“Introduction to GitHub.” Anchorage Programming Workshop. 7/31/13.

* “Web Fundamentals.” Anchorage Programming Workshop. 5/22/13.
* “Twenty-Minute Training: Blogging Best Practices.” UAA/APU Consortium Library’s Library, Reference, and Information Technology Training Series. 4/9/13.