

Monica G. Maceli, Ph.D.

Assistant Professor

Pratt Institute, School of Information

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EDUCATION

Drexel University, College of Information Science and Technology **2012**

Philadelphia, PA

Ph.D., Information Studies

Areas of concentration: human-computer interaction & end-user development

Aveiro University **2010**

Aveiro, Portugal

DESIRE Network's International Summer School

Topic: Models of Creative Design

Drexel University, College of Information Science and Technology **2006**

Philadelphia, PA

M.S.I.S., Information Systems

Area of concentration: human-computer interaction

Bryn Mawr College **2000**

Bryn Mawr, PA

B.A., Anthropology

Minor: Fine Arts

PROFESSIONAL EXPERIENCE

Pratt Institute, School of Information

New York, NY

Assistant Professor

2014-present

Co-director, Environmental Sensing Lab @ Pratt Research Accelerator

2019-present

Associate Program Coordinator, MS in Information Experience Design

2017-2019

Drexel University, College of Computing & Informatics

Philadelphia, PA

Assistant Teaching Professor

2012-2014

Instructor

2010-2012

Graduate Research Assistant

2007-2010

Ubuntu/Canonical

London, UK

Season of Usability Intern

Summer 2009

Drexel University Libraries

Philadelphia, PA

Webmaster

2005-2007

SMG, Inc.

Philadelphia, PA

Lead Web Developer

2004-2005

Amazon.com

Seattle, WA

Web Developer

2000-2003

TEACHING

Pratt Institute, School of Information

New York, NY

INFO 654 Information Technologies

INFO 638 Web Development

INFO 639 Database Design and Development

INFO 697 Special Topics: Rapid Prototyping and Physical Computing

Drexel University, College of Computing & Informatics

Philadelphia, PA

INFO 101 Introduction to Information Technology

INFO 105 Introduction to Informatics

INFO 108 Foundations of Software

INFO 110 Human Computer Interaction I

INFO 215 Social Aspects of Computing

INFO 310 Human Computer Interaction II

INFO 480 Special Topics – Social Media

Drexel University Computing Academy (DUCA): HCI Sessions

Massive Open Online Course (MOOC): Introduction to Informatics

RESEARCH INTERESTS

My research addresses: 1) information technology education, trends, and applications in the information science field, 2) the design and customization of information technology tools by end users, and 3) single-board computer and microcontroller applications in galleries, libraries, archives, and museums (GLAM).

PUBLICATIONS

Book Chapters

Maceli, M. (2019, in press). Privacy-Protection Technology Tools: Libraries and Librarians as Users, Participants, and Advocates. In Kenneth J. Varnum (Ed.) *New Top Technologies Every Librarian Needs to Know: A LITA Guide*. Chicago: ALA Neal-Schuman.

- Maceli, M.** (2018). Tech-Savvy Librarian vs. (Library) Technologist: Understanding the Future Role of Librarians in Technology Practice. In L. C. Sarin, J. Percell, P. T. Jaeger, & J. C. Bertot (Eds.) *Re-Envisioning the MLS: Perspectives on the Future of LIS Education, Advances in Librarianship, 44(B)*, Emerald Group Publishing Limited. pp. 153-178. DOI=<https://doi.org/10.1108/S0065-28302018000044B009>
- Maceli, M.,** & Song, M. (2007). Deep Web Mining Through Web Services. In *Encyclopedia of Data Warehousing and Mining* (Vol. 2, p. 631-637). Hershey, PA: Information Science Reference. DOI=<http://dx.doi.org/10.4018/978-1-60566-010-3.ch099>

Journal Articles

- Maceli, M.** (2019, in press). Librarians' mental models and use of privacy-protection technologies. *Journal of Intellectual Freedom & Privacy*, 4(1).
- Maceli, M.** (2018). EnviroPi: Taking a DIY Internet-of-Things approach to an environmental monitoring system. *Code4Lib Journal*, 42. <https://journal.code4lib.org/articles/13943>
- Maceli, M.** (2018). Encouraging patron adoption of privacy-protection technologies: Challenges for public libraries. *IFLA Journal – Special Issue on Privacy*, 44(3), 195-202. DOI=<https://doi.org/10.1177/0340035218773786>
- Maceli, M.** & Coccio, A. (2017). Monitoring Environmental Conditions with Low-Cost Single Board Computers. *Preservation, Digital Technology & Culture*, 46(4), 124-131. DOI=<https://doi.org/10.1515/pdpc-2017-0008>
- Maceli, M.** & Burke, J. (2016). Technology Skills in the Workplace: Information Professionals' Current Use and Future Aspirations. *Information Technology and Libraries*, 35(4), 35-62. DOI=<http://dx.doi.org/10.6017/ital.v35i4.9540>
- Maceli, M.** (2016). Introduction to Text Mining with R for Information Professionals. *Code4Lib Journal*, 33. <http://journal.code4lib.org/articles/11626>
- Maceli, M.** (2015). What Technology Skills Do Developers Need? A Text Analysis of Job Listings in Library and Information Science (LIS) from Jobs.code4lib.org. *Information Technology and Libraries*, 34(3), 8-21. DOI=<http://dx.doi.org/10.6017/ital.v34i3.5893>
- Maceli, M.** (2015). Creating Tomorrow's Technologists: Contrasting Information Technology Curriculum in North American Library and Information Science Graduate Programs against Code4lib Job Listings. *Journal of Education for Library and Information Science*, 56(3), 198-212. DOI=<http://dx.doi.org/10.12783/issn.2328-2967/56/3/3>
- Maceli, M.,** Wiedenbeck, S., & Abels, E. (2011). The Internet Public Library (IPL): An Exploratory Case Study on User Perceptions. *Information Technology and Libraries*, 30(1), 16-23. DOI=<http://dx.doi.org/10.6017/ital.v30i1.3041>

Refereed Conference Papers

- Maceli, M.,** Villaespesa, E. & Adams, A. (2019, in press). Environmental Monitoring of Archival Collections: An Exploratory Study of Professionals' Data Monitoring Dashboard Needs and Related Challenges. In *Proceedings of the 2019 iConference*. Springer. DOI=https://doi.org/10.1007/978-3-030-15742-5_73

- Maceli, M.** (2017). Tools of the Trade: A Survey of Technologies in End-User Development Literature. In Barbosa, S., et. al. (Eds.) *Proceedings of the 6th International Symposium on End-User Development* (pp. 49-65). Heidelberg: Springer. DOI= http://dx.doi.org/10.1007/978-3-319-58735-6_4
- Maceli, M.** (2016). Co-Design in the Wild: A Case Study on Meme Creation Tools. In *Proceedings of the 14th Participatory Design Conference: Full papers - Volume 1* (PDC '16), Vol. 1. ACM, New York, NY, USA, 161-170. DOI=<http://dx.doi.org/10.1145/2940299.2940300>
- Maceli, M.** (2015). Instilling a Culture of Participation: Technology-Related Skills and Attitudes of Aspiring Information Professionals. In Díaz, P., et al. (Eds.) *Proceedings of the 5th International Symposium on End-User Development* (pp. 173-179). Heidelberg: Springer. DOI=http://dx.doi.org/10.1007/978-3-319-18425-8_12
- Maceli, M., & Atwood, M. E.** (2013). "Human Crafters" Once Again: Supporting Users as Designers in Continuous Co-Design. In Dittrich, Y., et al. (Eds.) *Proceedings of the 4th International Symposium on End-User Development* (pp. 9-24). Heidelberg: Springer. DOI=http://dx.doi.org/10.1007/978-3-642-38706-7_3
- Maceli, M., & Atwood, M. E.** (2011). From Human Crafters to Human Factors to Human Actors and Back Again: Bridging the Design Time – Use Time Divide. In Costabile, M.F., et al. (Eds.) *Proceedings of the 3rd International Symposium on End-User Development* (pp. 76-91). Heidelberg: Springer. DOI=http://dx.doi.org/10.1007/978-3-642-21530-8_8
- Maceli, M., & Atwood, M. E.** (2011). From Human Factors to Human Actors to Human Crafters. In *Proceedings of the 2011 iConference* (pp. 98-105). New York, NY: ACM. DOI=<http://dx.doi.org/10.1145/1940761.1940775>

Workshop Papers

- Maceli, M.** (2018). "It Works by Not Doing Things That Everybody Else Does": Designing for User Privacy. *Short paper presented at Privacy in Context: Critically Engaging with Theory to Guide Privacy Research and Design*, CSCW 2018, November 3, 2018, Jersey City, NJ, https://networkedprivacycsw2018.files.wordpress.com/2018/10/maceli_2018_it-works-by-not-doing.pdf
- Maceli, M.** (2015). Towards a Future of Increasing End-User Development: Creating Empowered or Over-Burdened End Users? In *Proceedings of 3rd Workshop on Cultures of Participation in the Digital Age*, CoPDA'15, Madrid, Spain, May 26, 2015, CEUR-WS.org, <http://ceur-ws.org/Vol-1641/paper4.pdf>
- Maceli, M.** (2014) Future-Focused Ideation: Meta-Design Inspired Heuristics. *Short paper presented at Environments for creative interaction design processes*, June 21, 2014, Vancouver, BC, Canada.
- Maceli, M.** (2013) Learning from the Learners: MOOCs and Cultures of Participation. *Short paper presented at CoPDA 2013: Cultures of Participation in the Digital Age*, June 10, 2013, Copenhagen, Denmark.
- Maceli, M.** (2012) Meta-Design Tools: Expanding Opportunities for Digital Imagery in Visual Thinking. *Short paper presented at Visual Thinking & Digital Imagery*, May 5, 2012, Austin, TX.

Maceli, M. (2011) From Human Factors to Human Actors to Human Crafters: Principles Supporting Design in Use. *Short paper presented at Designer Experience: Exploring Ways to Design in Experience*, May 7, 2011, Vancouver, BC, Canada.

PRESENTATIONS

Maceli, M. (2018, September 20). Internet-of-Things Environmental Monitoring Systems. Presented at ASIS&T Student Chapter Speakeasy Series, Pratt Institute, New York, NY.

Maceli, M. (2018, September 12-14). Invited participant at National Forum on Web Privacy and Web Analytics. Montana State University, Bozeman, Montana.

Maceli, M. (2018, February 14). Low-Cost Preservation Environment Monitoring with the Raspberry Pi. Presented at Code4Lib 2018 Conference, Washington, DC.

Maceli, M. (2017, September 21). Librarians' Perceptions and Use of Privacy-Protection Technology Tools. Presented at ASIS&T Student Chapter Speakeasy Series, Pratt Institute, New York, NY.

Maceli, M. (2017, March 8). Protecting Me How? Understanding the Function of Privacy-Protection Technology Tools. Presented at Code4Lib 2017 Conference, Los Angeles, CA.

Maceli, M. (2016, December 6). Hour of Code for Library & Information Science. Presented at Pratt School of Information Hour of Code, Pratt Institute, New York, NY.

Maceli, M. (2016, August 5). Who's Technically Doing What? Presented at Code4Lib NYS 2016 Midsummer Meeting & Unconference, Ithaca, NY.

Maceli, M. & Cocciolo, A. (2016, May 17). Applications of the Raspberry Pi in the LAM domain. Presented at Pratt School of Information Maker & Game Fair, Pratt Institute, New York, NY.

Maceli, M. (2016, March 9). What does it take to get a job these days? Analyzing jobs.code4lib.org data to understand current technology skillsets. Presented at Code4Lib 2016 Conference, Philadelphia, PA.

Maceli, M. (2015, October 19). Users as Developers. Presented at ASIS&T Student Chapter Speakeasy Series, Pratt Institute, New York, NY.

Maceli, M. (2014, April 25). Between a Rock and an OPAC: Designing Usable Library Interfaces. Presented at the 2014 Tri-State College Library Collective (TCLC) Spring Program: User Experience – what it means for your library, Chestnut Hill, PA.

POSTER SESSIONS

Maceli, M., Morris, V. I., & Brace, V. (2014). *MOOCs at the College of Computing & Informatics: Successes and Challenges*. Poster session presented at the e-Learning Conference 3.0, Philadelphia, PA.

Maceli, M. (2010). *From Human Crafters to Human Factors to Human Actors: Towards a Future of Designing in Use*. Poster session presented at the DESIRE Network's International Summer School, Aveiro, Portugal.

Maceli, M. (2009). *Third Wave HCI: Design in the 'World'*. Poster session presented at the Drexel University Research Day, Philadelphia, PA.

Maceli, M. (2008). *Methodological Triangulation: Evaluation of Drexel University Libraries' Website*. Poster session presented at the Drexel University Research

GRANTS

Pratt Research SeedGrant Award, Pratt Institute. (2018-2019). Project Title: Internet-of-Things Environmental Monitoring for Cultural Heritage: Exploring Open Hardware Possibilities (**PI: Monica Maceli**).

Faculty Development Fund Award, Pratt Institute. (2017-2018). Project Title: Librarians' Perceptions and Use of Privacy-Protection Technology Tools (**PI: Monica Maceli**).

SERVICE

Pratt Institute, School of Information

Faculty Search Committee	2018-2019
Peer Review Committee	2014-present
Chair, Peer Review Committee	2017-2018
School Curriculum Committee	2014-2018
LIS Program Committee	2016-2017
e-Portfolio Oversight Committee	2015-2016

Pratt Institute

Research Recognition Awards Committee	2018-2019
Academic Integrity Standing Committee	2018-2019
Search Committee for Dean of School of Information	2017-2018
Digitizing the ARPT: Interfolio Test Committee	Summer 2017
Graduate Student Experience Committee	2016-2017
Faculty Development Fund Awards Committee	2015-2016
Distinguished Teacher Award Committee	2014-2015

Drexel University, College of Computing & Informatics

ABET Undergraduate Accreditation Committee	2013-2014
Informatics Undergraduate Curriculum Committee	2013-2014
Teaching Excellence Committee	2012-2013
Faculty Learning Community (FLC): Online Teaching & Learning	2012-2013
Ad Hoc Committee on Undergraduate Education	2011-2012

Program Chair & Program Committees

Work-in-progress at IS-EUD 2019 (program chair)	2018-2019
International Symposium on End User Development (IS-EUD)	2013-2019
Cultures of Participation in the Digital Age (CoPDA)	2013-2018
Human Factors in Software Development Processes (HuFaMo)	2017
End-Users' Playground at IS-EUD 2015 (program chair)	2015

Reviewing

Behaviour & Information Technology	2018
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iConference 2019	2018
Journal of Systems and Software	2018
Innovational Research Incentives Scheme, Netherlands	2018
Organization for Scientific Research [Grant reviewer]	
Journal of Education for Library and Information Science (JELIS)	2015-present
Cultures of Participation in the Digital Age Workshop (CoPDA)	2013-present
International Symposium on End User Development (IS-EUD)	2013-present
Human Factors in Software Development Processes (HuFo 2017)	2017
ACM Conference on Human Factors in Computing Systems (CHI)	2009-2016
IMLS Laura Bush 21st Century Librarian Program [Grant reviewer]	2016
Journal of Visual Languages and Computing	2016
Applied Sciences Journal	2015
Nordic Conference on Human-Computer Interaction (NordiCHI)	2014

Professional Memberships

Association for Computing Machinery (ACM)
ACM Special Interest Group on Computer-Human Interaction (SIGCHI)
ACM Committee on Women (ACM-W)
NY Tech Meetup (NYTM)
Women Who Code (WWCode)