

CURRICULUM VITAE

ANITA CRESCENZI

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CURRENT APPOINTMENT

Research Assistant Professor, August 2020 - present

University of North Carolina at Chapel Hill

Eshelman School of Pharmacy (75%), School of Information and Library Science (25%)

EDUCATION

Ph.D. in Information and Library Science, December 2019.

University of North Carolina at Chapel Hill, School of Information and Library Science

Dissertation: *Adaptation in information search and decision-making under time pressure*

Advisor: Rob Capra (chair)

M.S. in Information Science, May 2005.

University of North Carolina at Chapel Hill, School of Information and Library Science

Thesis: *User acceptance of electronic meeting technology in the Semiconductor Research Corporation*

Advisor: Barbara Wildemuth

B.S. in Secondary Education, May 1996

University of Illinois at Urbana-Champaign, School of Education

PROFESSIONAL EXPERIENCE PRIOR TO CURRENT APPOINTMENT

Postdoctoral Research Associate (2019-2020). PI: Rob Capra.

School of Information and Library Science, University of North Carolina.

Head, IT Development (2012). User Experience, Virtual Presence Librarian (2006 - 2011).

Health Sciences Library, University of North Carolina at Chapel Hill.

Senior User Experience Analyst (2007). User Experience Analyst (2004 - 2006).

BlueCross BlueShield of North Carolina

Consultant (2000 - 2002). User Support Specialist (1999 - 2000).

Semiconductor Research Corporation, Durham, NC.

Software and Technical Trainer (1998-1999).

Wordlink, Champaign, IL.

Middle School Teacher (1996-1998).

Countryside School, Champaign, IL.

PUBLICATIONS

Journal articles (refereed)

1. McLaughlin, J. E., Tropsha, A., Nicolazzo, J. A., **Crescenzi, A.**, Brouwer, K. L. R. (2022). Moving Towards FAIR Data Practices in Pharmacy Education. *American Journal of Pharmaceutical Education*. 85(3). <https://doi.org/10.5688/ajpe8670>.

Full conference papers (refereed)

1. **Crescenzi, A.**, Ward, A., Li, Y., & Capra, R. (2021). Supporting metacognition during exploratory search with the OrgBox. *Proceedings of the 44th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '21)*, 1197-1207. Online/Montreal, Canada. <https://doi.org/10.1145/3404835.3462955>. (21% acceptance rate: 151 of 720 submissions)
2. **Crescenzi, A.**, Capra, R., Choi, B., & Li, Y. (2021). Adaptation in information search and decision-making under time constraints. *Proceedings of the 6th ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR '21)*. 95-105. Online/Canberra, Australia. <https://doi.org/10.1145/3406522.3446030>. (32% acceptance rate)
3. Arguello, J. & **Crescenzi, A.** (2019). Using Principal Component Analysis to better understand behavioral measures and their effects. *Proceedings of the 2019 ACM SIGIR International Conference on the Theory of Information Retrieval (ICTIR '19)*. 177-184. Santa Clara, California. <https://doi.org/10.1145/3341981.3344222>. (49% acceptance rate)
4. **Crescenzi, A.**, Kelly, D., & Azzopardi, L. (2016). Impacts of time constraints and system delays on user experience. *Proceedings of the 2016 Conference on Human Information Interaction and Retrieval (CHIIR '16)*. 141-151. Chapel Hill, NC. <https://doi.org/10.1145/2854946.2854976>. (40% acceptance rate)
5. Capra, R., Arguello, J., **Crescenzi, A.** & Vardell, E. (2015). Differences in the use of search assistance for tasks of varying complexity. *Proceedings of the 38th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '15)*. 23-32. Santiago, Chile. <https://doi.org/10.1145/2766462.2767741>. (20% acceptance rate)

Short conference papers (refereed)

1. **Crescenzi, A.** & Li, Lan. 2022. Assessing realism in simulated work tasks. *Proceedings of the Seventh ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR '22)*. Online/Regensburg, Germany. (33% acceptance rate: 12 of 42 short paper submissions)
2. **Crescenzi, A.**, Li, Y., Capra, R., & Zhang, Y. (2019). Towards better support for exploratory search through an investigation of notes-to-self and notes-to-share. *Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '19)*. 1093-1096. Paris, France. <https://doi.org/10.1145/3331184.3331309>. (24% acceptance rate: 108 of 443 short paper submissions)
3. **Crescenzi, A.**, Capra, R., & Arguello, J. (2017). Time limits, information search, and the use of search assistance. *Proceedings of the 2017 Conference on Human Information*

Interaction and Retrieval (CHIIR '17). 349-352. Oslo, Norway.
<https://doi.org/10.1145/3020165.3022150>. (65% acceptance rate: 55 total submissions)

4. **Crescenzi, A.**, Kelly, D. & Azzopardi, L. (2015). Time pressure and system delays in information search. *Proceedings of the 38th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '15)*. 767-770. Santiago, Chile. <https://doi.org/10.1145/2766462.2767817>. (31% acceptance rate)
5. **Crescenzi, A.**, Capra, R., & Arguello, J. (2013). Time pressure, user satisfaction and task difficulty. *Proceedings of the Association for Information Science and Technology (ASIST '13)*. Article 122. Montreal, Canada. <https://doi.org/10.1002/meet.14505001121>. (46% acceptance rate)

Tutorial

1. Kelly, D., & **Crescenzi, A.** (2016, 2017). From design to analysis: Conducting controlled laboratory experiments with users. Full day tutorial presented at the *40th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '17)*. 1207-1210. Tokyo, Japan. <https://doi.org/10.1145/2911451.2914809>. (refereed) (21 proposals submitted: 2 full-day, 10 half-day tutorials accepted)

Workshop papers

1. **Crescenzi, A.** (2016). Metacognitive knowledge and metacognitive regulation in time-constrained information search. *Search as Learning Workshop at the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '16)*. Pisa, Italy. (refereed)
2. **Crescenzi, A.** & Capra, R. (2013). Collaboration in search processes and results sharing. *Collaborative Information Seeking Workshop at the 16th ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2013)*, San Antonio, TX.

Doctoral consortia

1. **Crescenzi, A.** (2015). Time pressure in information search. Presentation at the Doctoral Consortium and extended abstract in *Proceedings of the 38th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '15)*. Santiago, Chile. <https://doi.org/10.1145/2766462.2767851>.
Mentors: Eugene Agichtein (Emory University), Jaime Teevan (Microsoft Research).
2. **Crescenzi, A.** (2014). Too little time? Time constraints and time pressure in information search. Doctoral Consortium presentation, poster at the *Information Interactions in Context (IIX '14)* conference. 342-344. Regensburg, Germany.
<https://doi.org/10.1145/2637002.2637059>.
Mentor: Pia Borlund (Royal School of Library and Information Science, Denmark).
Best Poster Presentation Award winner

Posters (refereed)

1. **Crescenzi, A.**, McGraw, K. and Main, L. (2011). LibAnswers usability: Rethinking online reference. *Medical Library Association Annual Meeting*, Minneapolis, MN.
2. **Crescenzi, A.** and Vander Hart, R. J., (2011). Academic library information-seeking ecosystem. *Information Architecture Summit*, Denver, CO.

Refereed presentations or conference panels.

1. **Crescenzi, A.** (2014). Temporality in models of information behavior, information-seeking, and information search. Lightning talk. *SIG USE meeting at the Annual Meeting of the Association of Information Science and Technology (ASIST '14)*, Seattle, WA. (refereed)

Other presentations or posters

1. **Crescenzi, A.**, Allegri, F. and Degener, F. (2012). Making service decisions based on evidence. Poster. *Librarians' Association at UNC-Chapel Hill Research Forum*, Chapel Hill, NC.
2. **Crescenzi, A.** and Underhill, R. (2011). Data-driven decision-making using web analytics. Presentation. UNC webmasters group, Chapel Hill, NC.

Working papers, papers or panels under review

1. Kheyman, G., **Crescenzi, A.**, McLaughlin, J. E., & Hubal, R. The use of heuristic evaluation to improve usability of pharmacy education digital tools. Article submitted to the *American Journal of Pharmacy Education*.
2. Fuller, K., **Crescenzi, A.**, & Reitter, N.P. Usability and accuracy of an Entrustable Professional Activities (EPA) Assessment form. To submit to the *American Journal of Pharmacy Education*. In draft.
3. (Li, Y., **Crescenzi, A.**)* Ward, A., & Capra, R. Think inside the box: An evaluation of search-assisting organizational tools. Rejected from SIGIR 2021, to submit to the *Journal of the Association of Information Science and Technology (JASIST)* or *Transactions on Information Systems (TOIS)*.
* (co-first authors)
4. **Crescenzi, A.**, Choi, B., & Li, Y. Explaining recommendations: A content analysis of human-generated recommendations.
5. Golovchinsky, G., Capra, R., Kelly, D., & **Crescenzi, A.** Going deeper in the search results list: The Search Results Navigator. Draft ready for legal review.

INVITED TALKS AND CONFERENCE PANELS

1. *Research methods in academic libraries*. Invited talk with Barbara Wildemuth and Casey Rawson. Purdue University Libraries and School of Information Studies. April 28, 2022.
2. *Adaptation in search under time pressure*. Seminar in the Computer Science Department at North Carolina State University. February 5, 2020.
3. *Adaptation in search and decision-making*. Presented January 30, 2020 at the Brown Center for Biomedical Informatics (BCBI) at Brown University.
4. Panel at *Women in IR: 2019 ACM SIGIR Conference*, July 23, 2019.

INVITED EVENTS

1. *Dagstuhl Seminar (23031): Frontiers of Information Access Experimentation for Research and Education*. To take place January 15-20, 2023. Invited participant n focus on developing more responsible experimental practices leading to more valid results, both for research as well as scientific education.

2. *Creativity Hub: AIB Workshop*. UNC Renaissance Computing Institute. Invited participant and Advisory Board member for a interdisciplinary team working creatively at the intersection of AI and biological sciences.
3. *NIH Workshop on Search*. NIH Office of Data Science Strategy. Invited participant and moderator of “Cross-pollination Breakout Session: Knowledge Retrieval.” January 19-20, 2022.

TEACHING & ADVISING

School of Information and Library Science

Instructor

Research Methods Overview. INLS 582. Spring 2021. 20 students. Spring 2022. 18 students.

Introductory graduate-level course exploring the design, interpretation, analysis, and application of published research with a focus on research in the field of information and library science. Core class required for MSIS and MSLS students.

Human Information Interactions. INLS 500. Fall 2015, 8 students; Fall 2016, 27 students.

Graduate-level course surveying information science literature examining and describing interactions between people and information. Core class required for MSIS and MSLS students.

Systems Analysis. INLS 582. Spring 2016, 8 students.

Graduate-level course introducing systems analysis with a problem-based learning approach and a focus on contextual inquiry/design, data modeling, and application in organizational settings. Core class required for all MSIS students.

Teaching Assistant

Usability Testing and Evaluation. Fall 2013. 18 students.

Instructor for 3 weeks of a 16-week graduate-level course. Graded individual and group assignments and created rubrics for consistent evaluation.

Master’s Paper Advising

Sophie Nachman. *Investigating awareness of sexual violence resources among students at UNC*. Target completion: Summer 2022.

Chris Eastin. Title TBD. Target completion: Spring or Summer 2022.

Professional

Technical and Software Trainer.

Wordlink, 1998–1999.

Semiconductor Research Corporation, 1999-2001.

Middle School Teacher: Social Studies, Algebra, and French.

Countryside School, 1996–1998.

Illinois Professional Educator License (#197228, lapsed)

FUNDING AWARDS AND FELLOWSHIPS

Research grants and gifts

UNC School of Information and Library Science

Edward G. Holley Research Grant. \$1000. 2018.

Carnegie Research Grant. \$400. 2018.

Semiconductor Researcher Corporation.

Research grant for study of electronic meeting technology. \$25,000. 2002.

Fellowships

UNC Graduate School

2018 Manorama Chatterjee Summer Research Fellowship. \$5,000. Summer 2018.

UNC School of Information and Library Science

Carnegie Fellowship. \$1400. Fall 2016, Spring 2017.

Kalp Fellowship. \$1400. Fall 2014, Spring 2015.

Asheim Fellowship. \$1400. Spring 2013, Fall 2013, Spring 2014, Fall 2015, Spring 2016.

Travel grants

ACM SIGIR Student Travel Grant. SIGIR 2019. \$1000.

Google Travel Grant. SIGIR 2015. \$1700.

ACM SIGIR and the ELIAS Research Networking Programme. IiX 2014. €350

UNC School of Information and Library Science Travel Grants. \$200 each. SIGIR 2015- 2017; CHIIR 2016, 2017; ASIST 2013.

Grant submissions under review

Russell Sage Foundation. “Decision-making in Pharmacy and the Changing Nature of Work of Pharmacy Professionals: An exploratory, qualitative study”

Anita Crescenzi (PI), Denise Rhoney (Co-PI), Rob Hubal (SME)

Role: PI

Letter of Intent submitted May 2022

Effort: 20% for 2 years

Funding: \$200,000 (~\$170k + 15% overhead)

Responsibilities: Lead study design and logistics, data collection, data analysis, publications, and reporting. Oversee 1 graduate research assistant

SERVICE

Professional service

ACM Special Interest Group on Information Retrieval (SIGIR) Artifact Evaluation Committee, Senior member 2021-present.

Journal reviewer

Journal of Information Science, 2021.

ACM Transactions on Information Systems (TOIS), 2016-2018.

Information Processing & Management, 2017-2018.

International Journal of Human-Computer Studies, 2017-2018.

Conference organization and conference committees

ACM Conference on Human Factors in Computing Systems (ACM CHI), 2021.

Program committee (reviewer), 2021
ACM SIGIR Conference on Human Information Interaction and Retrieval (ACM CHIIR).
Workshop and Tutorials co-chair for CHIIR 2024.
Program Committee (reviewer), 2016, 2017, 2022.
Publicity chair, 2018.
Registration co-chair, 2016.
Doctoral consortium mentor, 2022.
ACM SIGIR Conference on Research and Development in Information Retrieval (ACM SIGIR).
Program Committee (reviewer), 2020-2022.
Design of Experimental Search & Information REtrieval Systems (DESIRES)
Program committee (reviewer), 2022
European Conference on Information Retrieval (ECIR).
Doctoral consortium, 2022.
Symposium on Human-Computer Interaction and Information Retrieval (HCIR).
Program Committee (reviewer), 2013
Workshop organization
NSF-sponsored Workshop on Task-Based Information Search. Student assistant, 2013.
Professional service within UNC
University of North Carolina
Online Accessibility Subcommittee, Disability Advisory Committee, 2011–2012.
Steering Committee of the Webmasters Group, 2011–2012.
Eshelman School of Pharmacy
Admissions Interviews, 2021-2022
Research in Education and Practice Symposium (evaluator), 2022
School of Information and Library Science
Personnel Committee, 2015-2016, 2021-2022.
President, Student Chapter of the American Society for Information Science and Technology (ASIST), 2001.
Librarian’s Association at the University of North Carolina at Chapel Hill (LAUNC–CH)
Annual Meeting Conference Committee, 2012.
University Libraries
Library Technology Council; Access, Interfaces, and Outreach committee, 2010–2012.
E-resources Group, 2007–2012.
Health Sciences Library
Library Management Council, 2011–2012.
Virtual Presence Advisory Committee, 2009–2011. Chair 2012.
Content Editorial Review Group. Chair, 2010–2012.
Information Resources Coordinating Group, 2006–2012.

Interlibrary Loan and Document Delivery Rethinking Group, 2010–2011.

Virtual Presence Redesign Group. Chair, 2008–2010.

Library Assessment Committee, 2006–2008.

Intranet Planning Task Force, Chair, 2006–2007.

PROFESSIONAL ASSOCIATIONS

American Association of Colleges of Pharmacy (AACP). 2020-present

Association of Computing Machinery (ACM). 2013-present. SIGCHI, SIGIR.

Association for Information Science and Technology (ASIST). 2005-7. 2012-present.

Association for Library and Information Science Education (ALISE). 2019-2020.

Information Architecture Institute (IA Institute). 2006-2012.

Librarians' Association at the University of North Carolina at Chapel Hill. 2009-2012.

Medical Library Association (MLA). 2011-2012.

Usability Professionals Association, Triangle chapter (TriUPA). 2005-2007.