CURRICULUM VITAE

ANITA CRESCENZI

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CURRENT APPOINTMENT

Research Assistant Professor, University of North Carolina at Chapel Hill.

School of Data Science and Society, August 2023 - present.

Eshelman School of Pharmacy (75%), School of Information and Library Science (25%), August 2020 – July 2023.

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. *Li, Y., ***Crescenzi, A.,** Ward, A., & Capra, R. Thinking inside the box: An evaluation of a novel search-assisting tool for supporting (meta)cognition during exploratory search. *Journal of the Association for Information Science and Technology*. 74(9). 1049-1066. https://doi.org/10.1002/asi.24801

2. Fuller, K., **Crescenzi, A.,** & Reitter, N.P. Preceptor perceptions of a redesigned entrustable professional activities (EPA) assessment tool in pharmacy practice experiences. *Currents in Pharmacy Teaching and Learning*. 15(7), 666-672. https://doi.org/10.1016/j.cptl.2023.06.018.

3. McLaughlin, Jacqueline. E., Tropsha, Alexander., Nicolazzo, Joseph. A., **Crescenzi, A.**, Brouwer, Kim. L. R. (2022). Moving towards FAIR data practices in pharmacy education. American Journal of Pharmaceutical Education. 85(3). 166-163. 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: 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)*. 266-271. Online/Regensburg, Germany. (33% acceptance rate: 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: 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. 1-4. 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)

Workshop papers

1. **Crescenzi, A.** (2016). Metacognitive knowledge and metacognitive regulation in time-constrained information search. *Proceedings of the Second International Workshop on Search as Learning co-located with* the *39th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '16)*. 1-5. Pisa, Italy. https://ceur-ws.org/Vol-1647/SAL2016_paper_5.pdf. (refereed full paper)

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)*. 1-4. 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 (IIiX '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

Conference posters (refereed abstracts)

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.

Non-referred publications

1. Beel, J., Breuer, T., Clarke, C. L. A., **Crescenzi, A.**, Demartini, G., Di Nunzio, G. M., Dietz, L., Faggioli, G., Fewerda, B., Frobe, M., Hagen, M., Hangury, A., Hauff, C., Jannach, D., Kando, N., Kanoulas, E., Knijenburg, B. P., Kurschwitz, U., Li, M., Maistro, M. Michiels, L., Papenmeier, A., Potthast, M., Rosso, P., Said, A., Schaer, P., Seifert, C., Spina, D., Stein, B., Tintarev, N., Urbano, J., Wachsmuth, H., Willemsen, M. C., Zobel, J. Report on the Dagstuhl Seminar on Frontiers of Information Access Experimentation for Research and Education. *ACM SIGIR Forum*. 57(1), 1-28.

2. Trippas, J., Maxwell, D., Alqatan, A. Boom, M., Chavula, C., **Crescenzi, A**., Ibanez, L-D., Meyer, S., Ortloff, A-M., Palani, S., Patel, D., Thode, W., and Xing, Z. (2023). Report on the 1st Early Career Researchers' Roundtable for Information Access Research (ECRs4IR) at CHIIR 2022. *ACM SIGIR Forum.* 56(1), 1-10.

Working papers, papers or panels under review

1. Crescenzi, A., Li, L., & Carlson, R. Realism in empirical Interactive Information Retrieval studies: A systematic review of IIR studies 1997-2022.

2. Kheyman, G., **Crescenzi, A.,** McLaughlin, J. E., & Hubal, R. The use of heuristic evaluation to improve usability of pharmacy education digital tools.

3. **Crescenzi, A.,** Choi, B., & Li, Y. Explaining recommendations: A content analysis of human-generated recommendations.

4. Golovchinksy, G., Capra, R., Kelly, D., & **Crescenzi, A**. Going deeper in the search results list: The Search Results Navigator.

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. *Getting started with qualitative data collection: Interviews, think-aloud, and other methods*. Center for Innovative Pharmacy Education & Research (CIPhER) Seminary. UNC Eshelman School of Pharmacy. November 17, 2021. Accreditation Council for Pharmacy Education (ACPE) continuing education.

3. *Adaptation in search under time pressure*. Seminar in the Computer Science Department at North Carolina State University. February 5, 2020.

4. *Adaptation in search and decision-making*. Presented January 30, 2020 at the Brown Center for Biomedical Informatics (BCBI) at Brown University.

5. 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.* January 15-20, 2023 at the Schloss Dagstuhl – Leibniz Center for Informatics. Invited participant for seminar to "address technology-enhanced information access (information retrieval, recommender systems, etc.) and specifically focus on developing more responsible experimental practices leading to more valid results, both for research as well as scientific education." https://www.dagstuhl.de/en/program/calendar/semhp/?semnr=23031

2. *Creativity Hub: AIxB Workshop.* UNC Renaissance Computing Institute. Invited participant and Advisory Board member for an 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

Teaching

Usability Testing and Evaluation. INLS 719. Spring 2023, 19 students.

Graduate-level course exploring central concepts in usability engineering, testing, and evaluation including the user experience (UX) lifecycle, contextual inquiry, formal and informal evaluation techniques, measures and metrics, qualitative and quantitative approaches, and reporting.

Graduate Teaching Practicum. INLS 886. Spring 2023, 1 student.

Doctoral students observe and work with faculty in the classroom to gain foundational teaching skills. Students may practice designing a class session or exercise, leading a class, and/or grading.

Research Methods Overview. INLS 581. Spring 2021 (online), 20 students. Spring 2022 (online), 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.

Master's Paper. INLS 992. Spring-Summer 2022, 1 student. Fall 2022-Spring 2023, 1 student.

Teaching Apprentice/Assistant

Teaching Assistant. INLS 690. 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.

Research Supervision or Mentorship

Graduate Research Assistant

Lan Li. PhD student in Information and Library Science. 2021-2023.

PhD Committees

Mary White. UNC School of Information and Library Science. 2022-
Thesis Advisors: Fei Yu, Jaime Arguello.

Master's Paper

Sophie Nachman. *Investigating awareness of sexual violence resources among students at UNC*. Completed MS Information Science in Summer 2022.

Ethan Glattfelder. (working title) *Evaluating the effectiveness of a prescription drug monitoring program (PDMP) mandate on opioid fraud, waste, and abuse in North Carolina*. Completed MS Information Science in Spring 2023.

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. IIiX 2014. €350.

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

External funding

Data Management Core, Biodata Catalyst. National Heart, Lung, and Blood Institute, National Institutes of Health

  Role: Subject Matter Expert in information retrieval, analysis of user feedback

  Effort: 104 hours in Years 1-2 (7/15/2022-7/14/2024); 63 hours in Year 3 (7/15/2024- 7/14/2025)

SERVICE

Professional service

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

Journal reviewer

  Scientific Data, 2022.

  ACM Transactions on Human-Computer Interaction (TOCHI), 2022.

  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, 2023.

    Publicity chair, 2018.

    Registration co-chair, 2016.

Doctoral consortium mentor, 2022, 2023.

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

Generative AI Committee. 2023-present.

Online Accessibility Subcommittee, Disability Advisory Committee, 2011–2012.

Steering Committee of the Webmasters Group, 2011–2012.

Eshelman School of Pharmacy

Admissions Interviews, 2021-2022, 2022-2023

Research in Education and Practice Symposium (evaluator), May 16, 2022

School of Information and Library Science

Research and Doctoral Committee, 2023-2024.

Teaching Assistant Professor Search Committee, 2023.

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). 2020-2023.

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.