

Dr. Rachelle Kristof Hippler

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Career Experience

Professor | Software Engineering | Baldwin Wallace University, Berea, OH | 2017-present
Coordinator, Software Engineering Major
Founder and Director, User Experience Research (UXr) Lab
Creator and Faculty Lead, Computing in Guatemala, Software & Study Abroad
Senior Lecturer | Computer Science | Bowling Green State University, Firelands College, Huron, OH | 2002 – 2017
Coordinator, 3+1 Transfer program for CS majors
IT Project Manager | Management Consulting Practice | Ernst & Young LLP, Cleveland, OH | 1996 – 2002
Medical Mutual of Ohio, Charleston Workers' Compensation, Risk Management

Leadership

Board Member | Greater Cleveland Partnership (GCP) - Technology, OH | 2021 – present
Chair | Ohio Women in Computing | OCWiC ACM-W Professional Chapter, OH | 2015 – present
Chairman of the Board | Association of University Regional Colleges of Ohio (AURCO), OH | 2006 – present
Chair | Global ACM-W Professional Chapters | ACM's Council for Women in Computing | 2017 – present
Board Member | BGSU Alumni Board | 2022 – present
Faculty Senate Chair | BGSU (2016 – 2017), Member (2013-2017) | Baldwin Wallace University, Member (2021 – present)
Department Chair (Interim) | Applied Sciences | BGSU Firelands | 2013
Faculty Chair | College Council | BGSU Firelands | 2010 - 2013
Various Roles | Association for Computing Machinery (ACM) Professional Society | 2016 – present

Collaborations

BW Internal Student Project Collaborations

University Relations | UXr Lab | BW Website Prototype Study | 2022
Ritter Library (Laura D'Amato and DMDI, Erica Lull) | UXr Lab | Wayfinding Project | 2023
Communication Disorders (Christie Needham) | UXr Lab | Impact of Robots on Speech-Language Therapy | 2021
Ritter Library (Chuck Vesei) | UXr Lab | Ritter Library (new) Website | 2022
Campus Plate (Brian Krupp) | UXr Lab | Campus Plate | 2022
Communication Disorders (Christie Needham) | Student software engineering project: Phunix | 2018
Ritter Library (Chuck Vesei) | UX research project: Ritter Library (old) Website | 2019

External Collaborations

Mission Guatemala (Dave Burns) | Senior Cap Stone Project: Medical Records Software | 2019 – ongoing
Xngage (Kathleen Lewarchick) | UX Lab Project: B2B Meet Up | 2022
Bisqqit (start-up, Kathleen Fink) | UX Lab Project: Load Testing | 2023
Hyland Software (Greg Schmitz) | Senior Cap Stone Project: GenBase | 2017
OEConnection (Michael Wish, William Fudge)
UX Lab Project: Repair Logic Onsite UX Study | 2022
Senior Cap Stone Project: OEM Dashboard | 2020
Senior Cap Stone Project: Shop Dashboard | 2019
Senior Cap Stone Project: OEChat | 2018
Senior Cap Stone Project: Customer Success Checks | 2017

Notable Grants

NSF I-USE CUE-P Grant – “Ohio Pathways to Undergraduate Computing Success (OPUCS)” | \$1,989,847 | A. Watkins, BW (PI), R. Hippler, BW (co-PI), C. Dull, Tri-C (co-PI), D. Reed, Capital (co-PI), P. Opong, Columbus State (co-PI) | 2023 – 2028

Select Awards

Faculty Leadership in Study Abroad | Baldwin Wallace University | 2023
Multicultural Award Positive Force | Baldwin Wallace University | 2020
Outstanding Service Award | Association of University Regional Campuses in Ohio (AURCO) | 2016
Distinguished Teacher Award | BGSU Firelands | 2013

Educational Background

Doctor of Education (Leadership & Policy Studies – Computer Science Education/Women in Computing/Self-esteem/Retention)
Bowling Green State University, OH | 2017
Master of Science (Computer Science – Software Engineering Specialization)
Bowling Green State University, OH | 1996
Bachelor of Science (Secondary Education – Mathematics)
Bowling Green State University, OH | 1990

Additional Experience

Sales Director | School Programs | World Book Encyclopedia, Toledo, OH | 1992 – 1994
Teacher | Mathematics | Sylvania City Schools, Sylvania, OH | 1991 – 1992
Teacher | Mathematics | Cleveland Heights City Schools, Cleveland Hts. OH | 1990 – 1991

Publications

Book Chapters

1. Invited Author – Rendering History: The Women of ACM-W (in press)
2. Special Recognition in: Mruk, C. (2013). *Self-esteem, relationships, and positive psychology: Concepts, research, and connections*. In M. Hojjat & D. Cramer (Eds.), *Positive psychology of love* (pp. 149-161). New York: Oxford University Press

Publications (student co-presenters are highlighted in green)

1. Hippler, R. K., Jaffee, S. D., Leventhal, L. M., & Ward, N. J. (2023). Building student excitement: Teaching through user experience opportunities. In *Proceedings of 54th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2023)*. Association for Computing Machinery, New York, NY, USA, 1243. <https://doi.org/10.1145/3545947.3573333>
2. Vesei, C. & Hippler, R. K. (2023). Collaborating with faculty and students to ensure a delightful digital experience with the university library. (2023) In *Proceedings of ACRL '23: Association of College and Research Libraries National Conference*. (student researcher Alexander D. Zemskov)
3. Vesei, C., Hippler, R. K. & Zemskov, A. (2022). Designing and testing library websites for maximum usability and accessibility: Engaging computer science faculty and students to aid in the Effort. (2022). In *Proceedings of ALAO '22: Academic Library Association of Ohio*.
4. Needham, C., Hippler, R. K., Vogel, A., Corrin, N. & Zemskov, A. (2022). Reinventing your thinking about using robots for therapeutic interventions. In *Proceedings of ASHA '22: American Speech and Hearing Association National Convention*.
5. Hippler, R. K., Jaffee, S. D., Leventhal, L. M., & Ward, N. J. (2021). Teaching psychology students to be user experience researchers. In *Proceedings of APAScience '21: Technology, Mind, and Society*. Washington, DC. Retrieved from <https://tmb.apaopen.org/pub/13tjvqqt/release/1?readingCollection=2b90877e>.
6. Hippler, R. K. (2021). Trifecta: Projects that count for undergraduate research, university service, and provide classroom activities that enhance learning. *AURCO Lunch Speaker Series*. Retrieved from <https://aurco.org/conference/aurco2021>.
7. Hippler, R. K., Carlson, C. & Gould, C. (2020). Understanding STEM students' feelings of competence and worthiness. In *Proceedings of AAC&U Conference on Transforming STEM Higher Education*. November 5-7, 2020. Washington, DC.
8. Hippler, R. K., Jaffee, S., & Leventhal, L. (2020). From human-computer interaction to user experience: Evolving curriculum to meet student needs. In *Proceedings of the 51st ACM Technical Symposium on Computer Science Education (SIGCSE '20)*. Association for Computing Machinery, New York, NY, USA, 1404. DOI: 10.1145/3328778.3372522.
9. Hippler, R. K. (2019). Helping women find reasons to stay in computing through identifying sources of competence and worthiness that enhance a healthy self-esteem within their computing major. In *Proceedings of APAScience '19: Technology, Mind, and Society*. Washington, DC. Retrieved from <https://www.apa.org/members/content/2019-technology-mind-program.pdf>

10. Jaffee, S., Leventhal, L., & Hippler, R. (2019). Toward a user experience research training program within a psychology program. In Proceedings of *APAScience '19: Technology, Mind, and Society*. Washington, DC. Retrieved from <https://www.apa.org/members/content/2019-technology-mind-program.pdf>
11. Hippler, R. K. (2019). Overcoming doubt: Workshop aimed at giving students strategies to build their authentic self-esteem within their computing major. In Proceedings of the *50th ACM Technical Symposium on Computer Science Education (SIGCSE '19)*. Association for Computing Machinery, New York, NY, USA, 1258. DOI: 10.1145/3287324.3293839.
12. Hippler, R. K. (2018). Understanding the exodus of undergraduate women from computer science majors: A two-factor model of self-esteem. In Proceedings of *APAScience '18: Technology, Mind, and Society*. Washington, DC. Article x, 1 page. 1 DOI: 10.1145/3183654.3183693.
13. Hippler, R. K., (2017). Computing-based self-esteem: The interplay of competence and worthiness (Doctoral Dissertation). Retrieved from <https://etd.ohiolink.edu/>
14. Tims, J., Walker, E., & Hippler, R. K. (2012). Regional celebrations of women in computing (WiC): Best practices. In Proceedings of the *43rd ACM Technical Symposium on Computer Science Education (SIGCSE '12)*. Association for Computing Machinery, New York, NY, USA, 680. DOI: 10.1145/ 2157136.2157431.
15. Hippler, R. K., Klopfer, D. S., Leventhal, L. L., Poor, G. M., Klein, B. A., Jaffee, S. D. (2011). More than speed? An empirical study of touchscreens and body awareness on an object manipulation task. In Proceedings *HCI International 2011*. Orlando, FL.

Invited Workshops Presentations

1. Got Doubt: Workshop to build authentic self-esteem within your computing major. CAN-WIC 2019. Toronto, CA.
2. Got Doubt: Workshop to build authentic self-esteem within your computing major. Solving for XX Symposium 2019. Baldwin Wallace University, OH.
3. Overcoming Doubt: Workshop to build authentic self-esteem within your computing major. OCWIC 2019. Huron, OH.