

# Dr. Rachelle Kristof Hippler

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## Career Experience

Full 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 Management Consultant | Management Consulting Practice | Ernst & Young LLP, Cleveland, OH | 1996 – 2002  
Clients: Medical Mutual of Ohio, Charleston Workers' Compensation, Risk Management

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## Leadership

Various Roles | ACM Special Interest Group Computer Science Education | 2003 – present  
CompEd (Treasurer, Registration); SIGCSE TS (Registration, Buddy Program, Logistics, Paper Reviewer, Session Chair)  
Chair | Ohio Women in Computing | OCWiC ACM-W Professional Chapter | 2015 – present  
Various Roles | OCWiC Ohio Celebration of Women in Computing Conference | 2004 – present  
Past-Chair | Global ACM-W Professional Chapters | ACM's Council for Women in Computing | 2017 – 2024  
Board Member | Greater Cleveland Partnership (GCP) – Technology Board, OH | 2021 – present  
Chairman of the Board | Association of University Regional Colleges of Ohio (AURCO), OH | 2006 – present  
Various Roles: Conference Chair '07, '17, Website, Communications  
Chair-elect | BGSU Alumni Board | 2022 – present  
Faculty Senate | BGSU (2013 – 2017), Chair (2016-2017) | Baldwin Wallace University, Member (2021 – present)  
Department Chair (Interim) | Applied Sciences | BGSU Firelands | 2013  
Faculty Chair | College Council | BGSU Firelands | 2010 - 2013

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## Collaborations

### BW Internal - Student Project Collaborations

Ritter Library (Laura D'Amato and DMDI, Erica Lull) | UXr Lab | Wayfinding Project | 2023  
University Relations (Dan Karp) | UXr Lab | BW Website Prototype Study | 2022  
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 – Student Project Collaborations

Mission Guatemala (Dave Burns) | Senior Cap Stone Project: Medical Records Software | 2019 – ongoing  
Qwickly (John DiGennaro) | UX Lab Project: Jot Usability Testing | 2024  
Xngage (Kathleen Lewarchick) | UX Lab Project: B2B Meet Up | 2022  
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

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## 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

- [To Meet Workforce Demand, BW Leads Ohio in Initiative To Increase Computing Grads](#)

US Department of State IDEAS Grant

– “Diversifying Study Abroad through Technology and Public Health in Guatemala” | \$34,952 | R. Hippler (PI) | 2019 –2023

– Microgrant to support travel to Guatemala | \$5,000 | R. Hippler (PI) | 2024

- [USA Study Abroad IDEAS Grant Website Highlighting BW's Computing in Guatemala Project](#)

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### Select Awards & Honorable Mentions

ACM-W Global Service Recognition | ACM-W

- [Rachelle Kristof Hippler ACM-W Global Chair for Professional Chapters](#)

BW UX Lab Gives Students Hands-on Experience in Boosting Software Usability | Baldwin Wallace University

- [BW UX Lab Offers Real-world Research to Students](#)
- [BW UX Lab Gives Students Hands-on Experience in Boosting Software Usability](#)

Faculty Leadership in Study Abroad Award – Computing in Guatemala | Baldwin Wallace University

- [Mission Guatemala Newsroom - Electronic Database Software is Live!](#)
- [Mission Guatemala Newsroom - New Patient Records Software for our Clinic!](#)
- [BW Faculty and Students Travel to Guatemala to Bring Tech To Medical Records System](#)
- [BW Faculty Awards - Hippler Leadership in Study Abroad](#)

Multicultural Award Positive Force | Baldwin Wallace University | 2020

Outstanding Service Award | Association of University Regional Campuses in Ohio (AURCO) | 2016, 2009

Distinguished Teacher Award | BGSU Firelands | 2013

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### 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

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### 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

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### Publications

#### Book Chapters

1. Rachelle Kristof Hippler: Finding My “Why.” In Townsend GC, editor. *Rendering History: The Women of ACM-W* (1st ed.). ACM Books, Vol. 58. Association for Computing Machinery, New York, NY, USA. <https://doi.org/10.1145/3640508>
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. Global Reach, Local Impact: Partnership Development for Shared Workforce Goals. Panel proposal submitted to NAFSA: Association of International Educators 2025 Annual Conference & Expo. *Not accepted*.
2. Is ACM-W Still Relevant After 30 Years? Exploring the Ongoing Needs of Women and URMs in Computing. Poster proposal accepted to ACM Technical Symposium on Computer Science Education 2025.
3. Increasing the Pipeline of Women in Tech: Conversations with the Pioneering Women of ACM-W. Discussion proposal accepted to ACM Technical Symposium on Computer Science Education 2025.

4. D'Amato, L., Hippler, R. K., & Wichtendahl, S. (2023). Where do I go? A collaborative approach to improve wayfinding and signage within an academic library. In Proceedings of ALAO '23: *Academic Library Association of Ohio*. (BW UX Research students conducted the study)
5. 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>
6. 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)
7. 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. In Proceedings of ALAO '22: *Academic Library Association of Ohio*.
8. 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*.
9. 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>.
10. 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>.
11. 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.
12. 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.
13. 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>
14. 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. In <https://www.apa.org/members/content/2019-technology-mind-program.pdf>
15. 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.
16. 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.
17. Hippler, R. K. (2017). Computing-based self-esteem: The interplay of competence and worthiness. [Doctoral Dissertation, Bowling Green State University]. [http://rave.ohiolink.edu/etdc/view?acc\\_num=bgsu1491331999463534](http://rave.ohiolink.edu/etdc/view?acc_num=bgsu1491331999463534)
18. 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.
19. 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 Presentations

1. Five Practices of Exemplary Leadership. University of Findlay, OH. March 18, 2024.
2. Why Software Engineering Research is Important. University of Findlay, OH. February 5, 2024
3. Underrepresented people in STEM – Sharing stories that all young people should hear. Ohio Council of Teachers of Mathematics 73<sup>rd</sup> Annual Conference, October 12, 2023. Sandusky, OH.
4. Got Doubt: Workshop to build authentic self-esteem within your computing major. CAN-WIC 2019. Toronto, CA.
5. Got Doubt: Workshop to build authentic self-esteem within your computing major. Solving for XX Symposium 2019. Baldwin Wallace University, OH.
6. Overcoming Doubt: Workshop to build authentic self-esteem within your computing major. OWCIC 2019. Huron, OH.