Coordinated research projects investigating novel educational technologies: EASEL (Education through application-supported experiential learning), a mobile platform that facilitates real-time reflection during experiential learning and Point Barter, an online testing system that allows students to equitably trade exam points for hints to a correct answer.

Led research on computational thinking in an interactive electronic art curriculum that incorporates art and robotics to teach essential coding skills. This project evolved into a multi-year collaboration with the Toledo Museum of Art and Toledo Public Schools.

DePaul University, Chicago, IL   August 2002 to July 2012
Adjunct Faculty in Computer Science

Taught courses in Human-Computer Interaction, Computer Graphics Development, Real-time Rendering, Data Visualization, Computer Animation, Web Design, and Digital Photography.

Moraine Valley Community College, Palos Hills, IL   May 2002 to Aug 2004
Adjunct Faculty in Allied Health

Taught a course on Computers in Allied Health.

EDUCATION

PhD	DePaul University, Computer Science	June 2012
	Fkuugtvcvkqp<"ðC"Tgrtgugpvcvkqp"qh"Ugngevgf" Nonmanual Signals in American Sign Ncpiwcigö	
MS	DePaul University, Human-Computer Interaction	June 2002
BS	University of Illinois at Chicago, Communication	May 1999

SELECTED HONORS AND AWARDS

Undergraduate Faculty Mentor of the Year Award, Bowling Green State University (2022).

Vqr"Qxgtcm"Ctvkeng<"ðDwkfkpi"Problem-Solving Skills through STEAM," in Technology and Engineering Teacher awarded by the International Technology and Engineering Educators Association. (May/June 2020)

Faculty Excellence Award, Association of Technology, Management, and Applied Engineering (2018).

Elliott L. Blinn Award for Faculty-Undergraduate Student Innovative Basic Research/Creative Work (2018).

Schnepp, J., Wolfe, R., Brionez, G., Baowidan, S., Johnson, R., & McDonald, J. (2020). Human-

Schnepp, J., Wolfe, R., McDonald, J., & Toro, J. (2013). Generating Co-occurring Facial Nonmanual Signals in Synthesized American Sign Language. *Proceedings of the International Conference on Computer Graphics Theory and Applications and International Conference on Information Visualization Theory and Applications* (pp 407-416). SciTePress.

Schnepp, J. C., Wolfe, R. J., McDonald, J. C., & Toro, J. A. (2012, October). Combining emotion and facial nonmanual signals in synthesized american sign language. In *Proceedings of the 14th international ACM SIGACCESS conference on Computers and accessibility* (pp. 249-250).

Schnepp, J., Wolfe, R., Shiver, B., McDonald, J., & Toro, J. (2011). SignQUOTE: A Remote Testing Facility for Eliciting Signed Qualitative Feedback. *Second International Workshop on Sign Language Translation and Avatar Technology.*

Wolfe, R., Cook, P., McDonald, J. C., & **Schnepp, J.** (2009). Toward a Better Understanding of Nonmanual Signals through Acquisition and Synthesis. *Workshop on Nonmanuals in Sign Languages, Goethe-University, Frankfurt am Main, Germany.*

Wolfe, R., Alba, N., Billups, S., Davidson, M. J., Dwyer, C., Gorman Jamrozik, D., Smallwood, L., Alkoby, K., Carhart, L., Hinkle, D., Hitt, A., Kirchman, B., Lancaster, G., McDonald, J., Semler, L., **Schnepp, J.**, Shiver, B., Suh, A. & Young, J. (2006). An Improved Tool for Fingerspelling Recognition. *Technology and Persons with Disabilities Conference* 2006.

McDonald, J., Wolfe, R., Alkoby, K., Carter, R., Davidson, M. J., Furst, J., Hinkle, D., Knoll, B., Lancaster, G., Smallwood, L., Ougouag, N. & **Schnepp, J.** (2005). Achieving consistency in an FK/IK interface for a seven degree of freedom kinematic chain. *In Visual Communication and Technology Education Faculty Publications. 3* (pp 171ó179).

Lancaster, G., Alkoby, K., Campen, J., Carter, R., Davidson, M. J., Ethridge, D., Furst, J., Hinkle, D., Kroll, B., Layesa, R., Loeding, B., McDonald, J., Ougouag, N., **Schnepp, J.**, Smallwood, L., Srinivasan, P., Toro, J. & Wolfe, R. (2003). Voice Activated Display of American Sign Language for Airport Security. *Technology and Persons with Disabilities Conference*.

Trade Publications

Schnepp, J., Koolage, W.J., Radina, M.E., Sheffer, J.A. (2022, October 21). Deltas, Not Pipelines: A more organic way to develop academic leaders. [Blog post]. Retrieved from https://www.aacu.org/liberaleducation/articles/deltas-not-pipelines

Sheffer, J., Hanasono, L., Kanwischer, C., Koolage, W., Ludy, M., Landry-Meyer, L., Noyes, E., Radina, M., & **Schnepp, J.** (2022). Pieces of the Puzzle: The Importance of Shared Governance. *Liberal Education. 108:1. 20-29.*

Schnepp, J. (2016, March 14). I kxg'uwf gp\u'j kpw'qp''\j g''gzco í   ''Ðw'pqv'hqt '' free. *The SOTL Advocate*. Retrieved from: https://illinoisstateuniversitysotl.wordpress.com/2016/03/14/give-students-hints-on-the-exambut-not-for-free.

Conference Presentations

Schnepp, J. (2024, October 10-

institutional community. Academic Chairpersons Conference (ACC). New Orleans, LA.

Association of Technology Management and Applied Engineering. New Orleans, LA.

Schnepp, J. & Cesarini, P. (2013, November 2). *Engaging the Technologically Augmented Student*. NWO Annual Symposium on Science, Technology, Engineering, and Mathematics Teaching. Bowling Green State University, Bowling Green, OH.

Schnepp, J. (2012, October 27). *It's Not All Fun and Games: The Challenge of Teaching Essential Mathematics for 3D Game Design.* NWO Annual Symposium on Science, Technology, Engineering, and Mathematics Teaching. Bowling Green State University, Bowling Green, OH.

Wolfe, R., McDonald, J., Toro, J. & **Schnepp, J.** (2012, May 27). *A Proposal for Making Corpora More Accessible for Synthesis: A Case Study Involving Pointing and Agreement Verbs*. Fifth Workshop on the Representation and Processing of Sign Languages: Corpora and Sign Language Technologies LREC 2012. Istanbul, Turkey.

Wolfe, R., McDonald, J. & **Schnepp, J.** (2011, January 10-11). *An Avatar to Depict Sign Language: Building from Reusable Hand Animation.* International Workshop on Sign Language Translation and Avatar Technology (SLTAT). Berlin, Germany.

Wolfe, R., McDonald, J. & **Schnepp, J.** (2010, May 23). *Synthetic Corpora: A Synergy of Linguistics and Computer Animation.* Fourth Workshop on the Representation and Processing of Sign Languages: Corpora and Sign Language Technologies LREC. Valetta, Malta.

Invited Presentations

Schnepp, J. & Rogers, C. (2024, June 15-16). *Learner Experience Design: A Human-Centered Approach to Collaborative Curricular Innovation* (Keynote Address). 8th Canadian International Conference on Advances in Education, Teaching & Technology. Toronto, Canada.

Garratt-Reed, D., Rogers, C., & **Schnepp, J.** (2024, June 15-16). *Embracing Technology in the Classroom: Innovations and Challenges* (Panel Discussion). 8th Canadian International Conference on Advances in Education, Teaching & Technology. Toronto, Canada.

Schnepp, J. & Rogers, C. (Guests). (2024, January 31). *Why Should Teachers Embrace Learner Experience Design?*. The eLearn Magazine Podcast with Chris Ladek. https://www.elearnmagazine.com/podcast

Schnepp, J. (2024, January 11). *Integrating and Assessing Computational Thinking in K-12 Classes*. Northwest Ohio Center for Excellence in STEM Education. Perrysburg, OH.

Schnepp, J. (2023, May 11).

Schnepp, J. (2018, May 11). *The Collab Lab: Fueling Innovation in Northwest Ohio.* The NextTech Innovation Showcase. Toledo, OH.

Barnes, J., Boff, C., Bushong, S., Craig, R., Eber, D., Gajjala, R. & **Schnepp, J.** (2017, March 30, 31 & April 1). *Faculty Panel on Digital Humanities.* Fembot Symposium 2017: Gender, Race, Technology and Labor. Bowling Green, OH.

Schnepp, J. (2015, October 5). *Technology and Time Management*. Bowling Green State University, Honors College Great Ideas Event. Bowling Green, OH.

Schnepp, J. & Ludy, M.J. (2015, February 5). *Efficient and Effective Tools and Techniques for College Students*. Bowling Green State University, Honors College Great Ideas Event. Bowling Green, OH.

Schnepp, J. (2014, April 22). *Online Assessment Using the Point Barter System.* Bowling Green State University, COTAAE Research Seminar. Bowling Green, OH.

Schnepp, J. (2014, April 22). *Remote Testing Technology for the Deaf Community*. Bowling Green State University, COTAAE Research Seminar. Bowling Green, OH.

Schnepp, J. (2013, November 1). *An Approach to Sign Language Synthesis Using 3D Computer Animation.* Bowling Green State University, Department of Communication Sciences and Disorders. Bowling Green, OH.

Schnepp, J. (2012, December 13). *Technical Considerations for a Signing Avatar.* Bowling Green State University, COSMOS meeting. Bowling Green, OH.

Schnepp, J. (2012, February 15). *Toward a Naturally Signing Avatar*. University of Illinois at Chicago, Department of Communication. Chicago, IL.

Schnepp, J. (2011, December 5). *A SignQUOTE Tutorial*. Institute of German Sign Language and Communication of the Deaf, University of Hamburg, Hamburg, Germany.

Alba, N., Billups, S., Wolfe, R., Dwyer, C., Davidson, M.J., Alkoby, K., McDonald, J., Tsang, R., Toro, J., Young, J., Lancaster, G., Schmidt, P., Mansueto, J., **Schnepp, J.**, Shiver, B. (2004, November 5). *A Fingerspelling Learning Tool*. DePaul Science Showcase, Chicago, IL.

Poster Presentations

Schnepp, J. & Rogers, C. (2023, October 9-12). *From Learner Insights to Actionable Recommendations: A Guide for Effective Learner Interviews*. Educause. Chicago, IL.

Stucker, J. & **Schnepp, J.** (2022, March 15-17). *The Land on Which We Stand: Finding A Common Ground through Community-Engaged Design Thinking*. Venturewell. Online.

Schnepp, J., Renguette, C. & Rogers, C. (2017, April 18-19). *EASEL: Education through Application-Supported Experiential Learning*. Cyberlearning 2017: Yj cvu'Pgzv'A'Ocmkpi 'Eqppgevkqpu'vq'Ujcrg'yj e'Hwwtg0Ctnkpi vqp.'XC0'

Schnepp, J. (2016, April 25). *A Survey of Unconventional Computer Interfaces*. The College of Technology, Architecture and Applied Engineering Research Fair. Bowling Green, OH.

Rogers, C. & **Schnepp, J.** (2014, October 19-21). *Employing Hints to Facilitate Real-World Assessments*. 2014 Assessment Institute. Indianapolis, IN.

McDonald, J., Wolfe, R., **Schnepp, J.**, Hochgesang, J., Gorman Jamrozik, D., Stumbo, M. & Berke, L. (2013, October 18-19). *Toward Lifelike Animations of American Sign Language: Achieving Natural Motion from the Movement-Hold Model.* International Symposium on Sign Language Translation and Avatar Technology (SLTAT). Chicago, IL.

Schnepp, J., Wolfe, R. & McDonald, J. (2013, July 10-13). *Modeling synchrony and co-occurrence for nonmanual signals in American Sign Language.* Theoretical Issues in Sign Language Research (TISLR) Conference 11. University College London, London, UK.

Schnepp, J. (2013, February 10). *Developing Software with the Deaf Community: Design and Testing Considerations*. BGSU Teaching and Learning Fair, Bowling Green, OH.

Schnepp, J. & Shiver, B. (2011, October 24-26). *Improving Deaf Accessibility in Remote Usability Testing.* The 13th International ACM SIGACCESS Conference on Computers and Accessibility, Dundee, Scotland, UK.

Schnepp, J. (2008, May 3). *An Analysis of Facial Animation Control for ASL.* The 2008 DePaul CTI Research Symposium (CTIRS-08), Chicago, IL.

Schnepp, J. (2007, May 5). *How Big is "BIG"? Toward a Representation of Incremental Nonmanual Signals in American Sign Language*. DePaul CTI Research Symposium (CTIRS-07). Chicago, IL.

Schnepp, J. (2006, April 29). *Towards Computerized Synthesis of Nonmanual Signals in American Sign Language.* DePaul CTI Research Symposium (CTIRS) & Midwest Software Engineering Conference (MSEC). Chicago, IL.

PATENTS

Schnepp, J. (2013). Point Barter. US Patent No. 61,862,126. Washington, DC: U.S. Patent and Trademark Office (provisional).

REPOSITORY CONTRIBUTIONS

Schnepp, J. (2005 ó 2014). *Elicitation materials for Syntax and Affect Tasks. SignGram Elicitation Materials Repository*. The Language Archive, Nijmegen, Netherlands.

GRANTS AND FELLOWSHIPS

Funded Grants

Crhtgf "R0Unqcp"Hqwpfcvkqpøu "Creating Equitable Pathways to STEM Graduate Education initiative ($74,534): CS Next: Building New Pathways and Partnerships through Research and Mentorship, Submitted July 1, 2024 (Under review)

Building Strength Travel Grant ($500): To support the presentation of *Augmented and Virtual Reality Education on a Budget* at the Association of Technology Management and Applied Engineering conference. 2021.

Faculty Development and Instructional Improvement Grant ($798): Advancing User Experience Curriculum, November, 2020.

Ohio Humanities, Quarterly Grant ($4,984): Stories in the Woods: A Community-Dcugf "Jkuqt{"qnf "cmpi "yj e"vtcknu"qh"Y kpvgti ctf gp IUW0Lqj pøu" Woods. PI: Amílcar E. Challú. February, 2020.

Bringing Theory to Practice, Multi-Institutional Innovation Project Grant ($14,000): Using Learner Experience Design to Increase Empathy for Students. August, 2019.

Faculty Development and Instructional Improvement Grant ($863): User Experience Industry Insight to Advance Interactive Media Curriculum in Visual Communication Technology, January, 2018.

Faculty Development and Instructional Improvement Grant ($1,0, 2019.

Faculty Development and Instructional Improvement Grant ($1,895): Advanced Training to Facilitate the Incorporation of 3D Graphics into Visual Communication Technology Curriculum: January, 2015.

Speed Grant ($400) to fund registration for the International Society for

The Spencer Foundation, Research Grants on Education: COVID-19 Related Special Grant Cycle ($49,998): Making the Transition by Breaking Tradition: Toward Improved Efficacy of Online Learning in Response to the COVID-19 Pandemic. PI: Jerry Schnepp. June, 2020.

The National Science Foundation, STEM + Computing K-12 Education ($1,029,000): Informal Learning and Exploration of Art and Digital Technology (iLEAD). PI: Jerry Schnepp. December, 2019.

The Center for Innovative Research in Cyberlearning - Emerging and Future Human-Technology Frontier: Workforce RE-training and RE-development ($45,000). PI: Corinne Renguette (IUPUI). May 2017.

The National Science Foundation - EXP: Collaborative Research: Using Just-in-Time Adaptive Mobile Technology to Facilitate Metacognition and Improve Efficacy ($125,031.00). PI: Christian Rogers (IUPUI). February 2017.

Bowling Green State University - Building Strengths. Developing Mobile Learning Technology to Enhance Metacognition through Just-in-time Reflection. November, 2016

The Spencer Foundation - Using Technology to Support Directed Reflection in Experiential Learning. Co-PI: Christian Rogers. January, 2016

The Spencer Foundation - Learning through Assessment: An Evaluation of the Point Barter Testing System. Co-PI: Christian Rogers. January, 2015

The National Science Foundation - STEM-C Partnerships: Computing Education for the 21st Century (STEM-CP: CE21) CER: CS in the Core Project, PI: Savilla Banister. February, 2014

The National Institutes of Health - R03 - Comprehension of American Sign Language in Face-to-Face and Video Environments. June, 2014

AWARDS AND HONORS

Undergraduate Faculty Mentor of the Year Award, Bowling Green State University (2022).

Vqr "Qxgtcm Ctvkeng ôDwkfkpi "Rtqdngo -Solving Skills through STEAM," in *Technology and Engineering Teacher* awarded by the International Technology and Engineering Educators Association (ITEEA). (May/June 2020)

Elliott L. Blinn Award for Faculty-Undergraduate Student Innovative Basic Research/Creative Work (2018).

Faculty Excellence Award, Association of Technology, Management, and Applied Engineering (2018).

Venturewell OPEN Conference. Washington D.C. March 23-25, 2017.

Ehove Tech Summit. Milan, Ohio. March 21, 2017.

CSS Dev Conf, San Antonio, TX. October 17-19, 2016.

ConveyUX Conference. Seattle, WA. February 9-10, 2016.

TEACHING AND STUDENT SUPPORT

Courses Taught

Roosevelt University
  CST 405 Algorithm Design
Judson University
  CSC 111 Computing in Context
  CSC 205 Software Design Patterns and Principles
  CSC 212 Database Systems
  CSC 301 Reflecting on the Conversation
  CSC 302 Data Structures & Algorithms II
  CSC 430 Web Development
  CSC 490 Senior Project

GPH 465 Survey of Visualization Applications
GPH 580 Real-Time Rendering Techniques
HCI   201 Multimedia and the World Wide Web
IT   231 Web Development I
DC   125 Digital Photography

Moraine Valley Community College
MRT 130 Computers in Allied Health

PhD Committees

Jason Davidson, Technology Management (Primary Advisor). Spring, 2023

Jacklyne Montarmani, Fall 2021 ó Spring 2022, Bowling Green State University. Title: *UX design and evaluation for a Sorority Administration App.*

Bailey Towns, Spring 2021, Bowling Green State University. Title: *The Effects of an Animated Resource for Learning American Sign Language.*

Aaron Ruiz, Fall 2019, Bowling Green State University. Title: *UX for a Meditation App.*

Allie Godfrey, Summer and Fall 2019, Bowling Green State University. Title: *Project Leaf Year.*

Chloe Pearson, Spring 2019, Bowling Green State University. Title: *Digital Media Outreach to Raise Food Insecurity Awareness on Campus.*

Maxwell Brickner, Spring 2019, Bowling Green State University. Title: *Expanding Programming Education*.

Gilbert Brionez, Summer 2018, Bowling Green State University. Title: *Application Development for a Sign Language Training Application.*

Gilbert Brionez, Spring 2018, Bowling Green State University. Title: *User Experience Design for a Sign Language Training Application.*
Hanna Pittman, Spring 2018, Bowling Green State University. Title: *A Comparison of Digital Template Formats.*

Rebecca Lord, Spring 2017, Bowling Green State University. Title: *UX Essentials: What Students Need to Know to Prepare for a Successful Career in User Experience.*

Rebekah Zellers, Spring 2017, Bowling Green State University. Title: *Application Prototyping for American Sign Language Students.*

Hattie Molina, Fall 2016, Bowling Green State University. Title: *Mobile Technology to Augment Campus Tours.*

Treasure Brown, Spring 2016, Bowling Green State University. Title: *Touch Screen Prototyping.*

Kent Darr, Spring 2016, Bowling Green State University. Title: *App Usability Exploration.*

Kelsy Lortz, Spring 2016, Bowling Green State University. Title: *Digital Poetry: Writing for the Electronic Medium.*

Grant Elliot, Spring 2016, Bowling Green State University. Title: *Continued Development of the Sing N Sketch App.*

Jillian Nelson, Fall 2014, Bowling Green State University. Title: *AboutMyRoute: A Route Sharing Web Application.*
Michael Vanderpool, Fall 2014, Bowling Green State University. Title: *Digital Learning Environments With a Focus on Aesthetics and UX Design.*

Jaclyn Kinsey, Fall 2014, Bowling Green State University. Title: *Digital Learning Environments With a Focus on Aesthetics and UX Design.*

Jillian Nelson, Spring 2014, Bowling Green State University. Title: *Toward a Route Sharing Web Application using the Google Maps API.*

Megan Rose, Spring 2014, Bowling Green State University. Title: *An Evaluation of Animal Shelters' Web Presence.*

Julio Ramirez, Fall 2013, Bowling Green State University. Title: *Wireless Motion Controllers for Music Performance and Production.*

PROFESSIONAL SERVICE

Conference and Workshop Organizing Committees

Conference Chair, Horizon Technologies in Higher Education: Teaching and Learning in a Time of Change. International Society for Exploring Teaching and Learning (ISETL). 2023-2024.

Academic Chair, EduTeach International Conference on Advances in Education, Teaching &Technology. 2024.

Program Committee Member, Eighth International Workshop on Sign Language Translation and Avatar Technology (SLTAT). 2023.

Workshop Co-leader, Learner Experience Design, Bowling Green, Ohio, USA. October-November (three meetings), 2019.

Committee Member, Change the Story: BGSU Opioid Teach-in, Bowling Green State University, Bowling Green, Ohio, USA. September 25, 2018.

Workshop Co-leader, Building Interdisciplinary Collaborations, Bowling Green State University, Bowling Green, Ohio, USA. March 17, 2017.

Workshop

Workshop Leader, Coding for Humanists Workshop, Bowling Green State University, Bowling Green, Ohio, USA. May 13-14, 2014.

Organizing Committee, Third International Symposium on Sign Language Translation and Avatar Technology, DePaul University, Chicago, Illinois, USA. October 18-19, 2013.

Journal and Conference Reviews

Reviewer for the Journal of Applied Research in

Reviewer for The Annual Meeting of the Cognitive Science Society (CogSci) Conference (2013).

Boards and Panels

Chair of the Computer Science Division of Associated Colleges of the Chicago Area (ACCA) (2023-2024).

Board member of the International Society for Exploring Teaching and Learning (ISETL) (2020 ó 2024).

Member of the Advisory Board for the Graphic Design and Visual Communication Program at Northwest State Community College (2019 ó 2024).

Review Panelist for the National Science Foundation, Computer and Information Science and Engineering (CISE) (2021).

Member of the International Board for the EduTeach International Conference on Advances in Education, Teaching &Technology (2018).

Academic Investment in Mathematics and Science (AIMS) advisory board member (2015).

INSTITUTIONAL SERVICE

Judson University

Chair of the Undergraduate Academic Policy Committee (2023-2024).

Chair of the Degree Completion Academic Policy Committee (2023-2024).

Member of the Faculty and Staff Compensation Study Committee (2023-2024).

Member of the Undergraduate Academic Policy Committee (2022-2023).

Member of the Degree Completion Academic Policy Committee (2022-2023).

Bowling Green State University

Chair of the Academic Honesty Committee (2018-2019, 2021-2022).

Member of the Executive Board of the Institute for the Study of Culture and Society (ICS) (2016 - 2022).

Faculty Associate for the Center for Faculty Excellence (2020-2022).

Member of the Search Committee for Vice Provost and Dean, Graduate and Professional Programs (2022).

Member of the Elliott L. Blinn Award Selection Committee (2018-2022).

Member of the Information Technology Committee [Faculty Senate] (2020 ó 2022).

Member of the Center for Undergraduate Research and Scholarship Advisory Council (2018-2022)

Member of the BGSU Honors College Council (2017-2022)

BGSU Faculty Association Unit Representative (2019-2022).

Member of the CIO Advisory Committee (2020 ó 2022).

Member of the BGSU Ending Hunger Steering Committee (2018-2022).

Member of the Student Experience Planning Group to address the challenges of re

PROFESSIONAL AFFILIATIONS

Association of Computing Machines (ACM)

The American Society for Engineering Education (ASEE)

The Association of Technology, Management, and Applied Engineering (ATMAE)

International Society for Exploring Teaching and Learning (ISETL)

Epsilon Pi Tau academic and professional honor society (EPT)

The World Association for Case Method Research & Application (WACRA)

Northwest Ohio Center for Excellence in STEM Education (NWO)

Sign Language Linguistics Society (SLLS)

REFERENCES

Available upon request.