

CURRICULUM VITAE

Tiffanie (Dau) Zaugg, Ph.D.

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ACADEMIC BACKGROUND

Ph.D. 2024	University Of Central Florida, Orlando, FL College of Community Innovation and Education: Exceptional Education
M.A. 2009	Morningside University, Sioux City, IA 7-12 Special Education
B.S. 1998	Buena Vista University, Storm Lake, IA Elementary Education
A.A. 1996	North Iowa Community College, Mason City, IA General Studies

PROFESSIONAL EXPERIENCE

Nov. 2025- Present	Assistive Technology and Artificial Intelligence Specialist Central Rivers Area Education Agency/Keystone AEA Cedar Falls, IA
Oct. 2024-Nov. 2025	Post Doc University of Central Florida Orlando, FL
Jan. 2024-Present	UCP of Central Florida Consultant Orlando, FL
June 2024-Aug 2024	Intern U.S. Office of Special Education Washington D.C.
2023-Aug. 2024	Adjunct Professor University of Central Florida Orlando, FL
2022-Aug. 2024	Grant Lead/Researcher Project RAISE

Orlando, FL

- 2008-2022 **Assistive Technology Coordinator, Special Education Consultant, Students with Significant Disabilities Team Lead, Transition Team, & Dyslexia Team**
Prairie Lakes Area Education Agency
Pocahontas, IA
- 2016-2022 **Students with Significant Disabilities State Lead Team**
Iowa Department of Education
Des Moines, IA
- 2016-2022 **Specially Designed Instruction Significant Disabilities Design Team**
Iowa Department of Education
Des Moines, IA
- 2017-2021 **Assistive Technology State Lead**
Iowa Department of Education
Des Moines, IA
- 2016-2019 **Specially Designed Instruction Reading Design Team**
Iowa Department of Education
Des Moines, IA
- 2006-2008 **K-6 Special Education Teacher**
Boyden—Hull Community School District
Boyden, IA
- 1999-2006 **K-8 Special Education Teacher**
Titonka Consolidated School District
Titonka, IA
- 1998-1999 **Long-term Kindergarten Substitute**
Clear Lake Community School District
Clear Lake, IA

PUBLICATIONS

Zaugg, T. (2025). AI as a Teaching Tool: Empowering Pre-Service Science

Teachers through Conceptual Foundations and Classroom Integration. In M. ALKIŞ KÜÇÜKAYDIN, *Preparing K-12 Pre-service Science Teachers for the Age of Artificial Intelligence: Strategies, Innovations, and Classroom Practices*. Springer Nature Switzerland AG.

Faith, L., **Zaugg, T.** Stolyis, N., Szabo, M., Haghi, F., Baldis, C., & Olmedo, L. (2025). Educator-AI Partnerships:

Opportunities and Challenges for Differentiated Lesson Design and Reflective

Practice. *Development of Artificial Intelligence and Computational Thinking: Future Directions, *

Opportunities, and Challenges.

- Zaugg, T.** (2024). Toolkits for Emerging Technologies. In K. Floyd, T. Jeffs, & K. Puckett (Eds.), *Technology Toolkits for Inclusive Instruction: Merging Assistive Technology and Universal Design for Learning*. Plural Publishing, Inc.
- Dieker, L., Hines, R., Wilkins, I., Hughes, C., Hawkins Scott, K., Smith, S., **Zaugg, T.**, Ingraham, K., Ali, K., & Shah, S. (2024). Using an Artificial Intelligence (AI) Agent to Support Teacher Instruction and Student Learning. *Journal of Special Education Preparation*, 4(2), 78–88. <https://doi.org/10.33043/d8xb94q7>
- Zaugg, T.** (2024). Embracing innovation in education: Investigating the use and impact of AI assistants among preservice teachers. *Journal of Educational Technology and Teacher Education*, 12(2), 1-15.
- and Education, University of Central Florida.
- Scott, L., **Zaugg, T.**, Wilder, T., & Romuald, A. (2024). Enhancing special education using AI: The intersection of personalized learning and inclusivity. In *Transforming special education through artificial intelligence*. IGI Global.
- Scott, L., & **Zaugg, T.** Harnessing AI in special education: Empowering leaders to navigate the future. *Journal of Special Education Leadership*. College of Community Innovation and Education, University of Central Florida.
- Dieker, L., & **Zaugg, T.** (2024). Artificial Intelligence and the intersection of disability. *The Palgrave Encyclopedia of Disability*. College of Community Innovation and Education, University of Central Florida.
- Zaugg, T.** & Moore, E. (2024). Free & easy tools for tiered reading supports in the classroom. *Closing the Gap Solutions*. August/September.
- Zaugg, T.** (2023). 3 Free & easy tools to support tiered reading in your classroom. *Center for Innovation, Design, and Digital Learning Blog*. March 28.
- Zaugg, T.** (2020). Emergent math concepts and accessible activities. *Closing the Gap Solutions*. June/July.
- Hereim, J. (2018). 10 uses for augmented reality in special education. *Special Ed Connection*. November.

GRANTS AND FUNDED PROJECTS

Project RAISE (Robots and Artificial Intelligence to improve social skills for K-5 students-OSEP Stepping Up Grant	University of Central Florida/UCP of Central Florida	2022-Present
EmpowerED	Bodyswaps-IES	2024
Universal Protocol for Accommodation in Reading	Iowa Statewide Initiative	2020-2022
Iowa Text Reader Grant	Text reader software and scanning tools for my classroom.	2004
Winnebago Industries Grant	ADHD Simulator for my Classroom	2003

CREATIVE PROJECTS AND OTHER PUBLISHED MEDIA

Zaugg, T., (2024). Practical access podcast, Assistive Technology Tools in Science and Math: interview.

Zaugg, T. (2023-present). Chatbot creator: EL (Education and Learning in Inclusive Environments), Math Tutor, & Project RAISE teacher assistant.

Zaugg, T., (2024). Practical Access Podcast: Creating an AI assistant: interview.

Zaugg, T., (2023). Talking with tech AAC podcast, interview.

Zaugg, T., Meyne, D., & Young, D. (2021-2023). Creators and hosts. Inclusive classroom virtual conference: International virtual free conference.

Zaugg, T., Youngdahl, T., Prentice, P., Barglof, C., Umscheid, A., & Loos, J. (2013). Using augmented reality in special education: A pilot study.

HONORS/AWARDS

2020-Present	ISTE Certified Educator
2022-2023	Doctoral Grant Recipient

PROFESSIONAL CERTIFICATIONS

Present	K-8 Multi-categorical Resource Mild/Moderate (Iowa)
Present	9-12 Multi-categorical Resource Mild/Moderate (Iowa)
Present	K-6 Reading (Iowa)
Present	7-12 Reading (Iowa)
Present	Special Education Consultant (Iowa)

Present
Present

K-8 Elementary Education (Iowa)
School Administrator (Iowa)

UNIVERSITY TEACHING

Professor of Record
IDS 7500 Seminar in Educational Research-online
Fall 2025

University of Central Florida

An examination of education-related research initiatives for doctoral students.

Professor of Record
EEX4070 Teaching Exceptional Children-online
Summer 2023, Spring 2024
University of Central Florida

Introductory course on exceptional learners for all education majors.

Professor of Record
EEX4763 Technology for Classroom Teachers of Students with Special Needs-online
Spring 2023, Fall 2023
University of Central Florida

Enhance teacher preparation using technology for students with special needs.

Professor of Record
EEX3830 Practicum in Exceptional Education-online
Fall 2022
University of Central Florida

In this course, students have the opportunity to be in an educational setting for an extended period and put into practice what they have learned in their exceptional education courses.

Grader
LIN 3713
Fall 2022
University of Central Florida

Principles of linguistic processing and the theoretical and biological foundations of language development.

FEATURED SPEAKER

Zaugg, T. (2025, March). Changing text complexity with free tools. (AT) Tuesday: AT Product

Demos and Artificial Intelligence Supports for Educators. Minnesota Department of Education.

Zaugg, T. (2024, December). Crafting and discovering wonders: A fun journey in creating materials, unearthing resources, and harnessing assistive technology for science and social studies.

University of Colorado & Colorado Department of Education.; Virtual.

Zaugg, T. (2024, November). AAC Supports for Communication Partners. (AT) Tuesday: AT Product

Demos and Artificial Intelligence Supports for Educators. Minnesota Department of Education.

Zaugg, T. (2024, October). Experience the Wonder and Ease of Creating Your Own AI Chatbot. Assistive Technology (AT) Tuesday: AT Product Demos and Artificial Intelligence Supports for Educators.

Minnesota Department of Education.

Zaugg, T. (2024, September). Creating AI chatbots in education. State Educational Agencies Office of Special Education Programs.

Zaugg, T. (2021, August). Access to math will help solve the problem. Conference for Assistive Technology and Education 2021. Colorado; Virtual.

PRESENTATIONS

Zaugg, T. (2026, June). Before you click “generate”. Georgia Council for Exceptional Children conference. GA

Zaugg, T. (2026, June). AI tools every special educator should know. Georgia Council for Exceptional children Conference. GA

Zaugg, T. (2026, April). AI for English Learner teachers. Central Rivers Area Education Agency. Online Webinar, IA.

Zaugg, T. (2026, April). Setting the stage for a district-wide road map for safe, equitable, & aligned AI implementation. Central Rivers Area Education Agency Superintendents Meeting. Cedar Falls, IA

Zaugg, T. (2026, March). Make math accessible for every learner. ATIA. Online webinar.

Zaugg, T. (2026, March). Leading the AI shift. Central Rivers Area Education Agency Superintendents Meeting. Cedar Falls, IA

Zaugg, T. (2026, January). Let us chat about access: Building inclusive chatbots with conversational AI. ATIA. Orlando, FL

Zaugg, T. (2026, January). Inclusive leaders summit: Edtech for all. Future of Education Technology Conference. Orlando, FL

Zaugg, T. (2025, October). AI-magine the possibilities: Crafting inclusive classrooms with cutting-edge AI. Closing the Gap, Minneapolis, MN

Zaugg, T. (2025, October). Transforming inclusive education: Leveraging emerging technologies for inclusive learning. Closing the Gap, Minneapolis, MN

Zaugg, T. & Fonseca, J. (2025, October). Math myth-busters: Your journey to a new math mindset. Closing the Gap, Minneapolis, MN

Zaugg, T. (2025, August). Structured coding with socially assistive technology. Office of Special Education Programs Conference, Arlington, VA.

Zaugg, T. (2025, March). Enhancing inclusive classrooms with EL- A teacher's digital assistant. Council for Exceptional Children Conference, Baltimore, MD.

Dieker, L., Hine, R., Mosher, M., & **Zaugg, T.** (2025, March). Diving into student learning with AI, biometrics, and current-future technology. Council for Exceptional Children Conference, Baltimore, MD.

Scott, L. & **Zaugg, T.** (2025, March). Transformative learning: Leveraging AI to increase equitable and inclusive learning in special education. Society for Information Technology & Teacher Education, Orlando, FL.

Scott, L. & **Zaugg, T.** (2025, January). Revolutionizing special education: AI-Driven personalized learning and kotter's change framework. International Conference on Autism, Intellectual Disability and Developmental Disabilities, Clearwater, FL.

Zaugg, T. (2025, January). Transforming inclusive education: Leveraging emerging technologies for inclusive learning. Future in Education Technology Conference, Orlando, FL.

Zaugg, T. (2025, January). Advancing STEM education for students with disabilities. ATIA Conference, Orlando, FL.

Sidorkin, A., **Zaugg, T.**, & Siblin, C. (2024, October). October showcase of custom bots/GPTs. AI in Ed.

Zaugg, T. (2024, August). Moderator for AI in Education Panel. Office of Special Education Programs Conference, Arlington, VA.

Zaugg, T. (2024, August). Maximizing moments: Transforming teacher time with AI chatbots. Office of Special Education Programs Conference, Arlington, VA.

Smith, S. & **Zaugg, T.** (2024, August). Meet Z.B., your students' socially assistive companion. OSEP Conference, Arlington, VA.

Zaugg, T. (2024, July). Enhancing classroom dynamics: Empowering educators with AI chatbots and streamlining administrative workflows. Teaching and Learning with AI Conference. Orlando, FL.

Tazi, Y., Parson, C., Holman, K., & **Zaugg, T.** (2024, June). Unveiling AI chatbots for personalized

learning. International Society for Technology in Education, Denver, CO.

Zaugg, T. (2024, June). AI chatbots as the new frontier in assistive technology for education. Conference for Assistive Technology and Education. Colorado; Virtual

Zaugg, T. (2024, April). Betting on student success using technology for tiered reading supports. American Council on Rural Special Education, Las Vegas, NV.

Zaugg, T. (2024, April). Using robots for inclusion in rural Iowa. American Council on Rural Special Education, Las Vegas, NV.

Zaugg, T., Hines, R., Moore, S., Lopez, M., & Faucette, T. (2024, April). In it to win it: Coaching teachers remotely. American Council on Rural Special Education, Las Vegas, NV.

Zaugg, T. & Kohnke, S. (2024, March). Innovative explorations: A journey using tech in STEM. CEC Conference, San Antonio, TX.

Smith, S. & **Zaugg, T.** (2024, March). Building social skills with students while coding. CEC Conference, San Antonio, TX.

Smith, S. & **Zaugg, T.** (2024, March). Project raise: Stepping up slam. CEC Conference, San Antonio, TX.

Zaugg, T. (2024, March). Scaffolding text to support all learners. CEC Conference, San Antonio, TX.

Zaugg, T. (2024, January). Using artificial intelligence to assist students with autism. International Conference on Autism, Intellectual Disabilities, & Developmental Disabilities conference, Honolulu, HI.

Zaugg, T. (2023, October). Using Artificial Intelligence to scaffold supports for students. Closing the Gap conference, Minneapolis, MN.

Zaugg, T. (2023, July). AAC collaboration support for communication partners. Evidence for Success Disability Conference, Ft. McDowell, AZ.

Zaugg, T. (2023, July). Free and simple ways to change text complexity. Evidence for Success Disability Conference, Ft. McDowell, AZ.

Zaugg, T. (2023, June). Innovative technologies in special education. Colorado Assistive Technology Expo. Virtual

Zaugg, T. & Moore, E. (2023, April). Scaffolding text for exceptional learners. UCF KnightED Talks. Orlando, FL.

Zaugg, T. (2023, March). Algebra, extended reality, and special education. CEC Conference, Louisville, KY.

Dieker, L., Hallet-Njuguna, R., & **Zaugg, T.** (2023, February). Free resources and research in STEM. Inclusive Classroom Conference. Virtual.

Zaugg, T. (2023, February). Innovative technology. Inclusive Classroom Conference. Virtual.

Zaugg, T. (2023, January). In a world of PDFs, be an EPub. ATIA Conference, Orlando, FL.

Zaugg, T. (2023, January). Continuing the quest for an accessible presentation. ATIA Conference, Orlando, FL.

Zaugg, T. & Patterson, M.S. (2022, October). Equitable access to the curriculum for all K-12 learners. UCF KnightED Talks. Orlando, FL.

Zaugg, T. (2022, April). AT for occupational therapists and physical therapists. Iowa AEA OT/PT lead meeting. Des Moines, IA.

Zaugg, T. (2022, July). In a world of PDFs, be an Epub. CATE Conference. Colorado; Virtual.

Zaugg, T. (2022, July). Continuing the quest by creating an accessible presentation. CATE Conference. Colorado; Virtual.

Zaugg, T. (2022, January). My math toolbox. CEC Conference, Orlando, FL.

Zaugg, T. (2021, April). AAC apps for complex communicators. Iowa AEA Speech Lead Meeting. Des Moines, IA.

Young, D., Meyne, D., & **Zaugg, T.** (2020, October). A Systematic Process for Considering Assistive Technology Accommodations and Aem for Reading. Closing the Gap. Minneapolis, MN.

Zaugg, T. (2020, January). Immersive experiences include augmented reality, mixed reality, and virtual reality. ATIA. Orlando, FL.

Zaugg, T. & Poss, B. (2020, January). Accessible math instruction for emergent math learners. ATIA Conference. Orlando, FL.

Zaugg, T. (2019). Access for students with significant disabilities. ATOM Conference. Bettendorf, IA.

Zaugg, T. (2019). Augmented reality: Is it really that simple? ATOM Conference. Bettendorf, IA.

Zaugg, T. (2019, October). UDL and access for all. Iowa Technology & Education Connection (ITEC).
Des Moines, IA.

Zaugg, T. (2019, July). Accessible technology considerations to support educational independence.
IHD Evidence for Success Disability Conference. Scottsdale, AZ.

Zaugg, T. (2019, July). Engage, motivate, and accommodate with augmented reality. IHD Evidence for
Success Disability Conference. Scottsdale, AZ.

Zaugg, T. (2019, November). How and why of Bookshare. PLATE Conference. Storm Lake, IA.

Zaugg, T. (2019, March). Supporting all learners: A look at text complexity. Leveling the Playing Field.
Cedar Falls, IA.

Zaugg, T. (2019). Writing for students with significant disabilities using an alternate pencil. ATOM
Conference. Bettendorf, IA.

Zaugg, T. (2019, January). What is your reality? ATIA. Orlando, FL.

Zaugg, T., Freed, J., & Peschong, L. A., (2018, October). Accessible technology considerations to
support educational independence. DCDT Conference. Cedar Rapids, IA.

Zaugg, T. (2017, November). PAR/AIM/AEM now what? PLATE Conference. Storm Lake, IA.

Zaugg, T. (2017, November). Supporting all learners: A look at text complexity. PLATE Conference.
Storm Lake, IA.

Zaugg, T. (2015, April). Choosing the right text reader. Building Bridges Conference. Cedar Rapids, IA.

Zaugg, T. (2014, October). Augmented reality (AR). Closing the Gap. Minneapolis, MN.

Zaugg, T. (2014). Assistive technology across different platforms. Building Bridges. Cedar Rapids, IA.

Classes Taught at Prairie Lakes Area Education Agency

Zaugg, T. (2022, April). AAC: Delivery. Prairie Lakes AEA Speech Meeting. Pocahontas, IA.

Zaugg, T. (2022, March). Design for AAC systems. Prairie Lakes Area Education Agency Speech
Meeting. Pocahontas, IA.

Zaugg, T. (2022, February). AAC: Where do we start? Prairie Lakes AEA Speech Meeting. Pocahontas.

Zaugg, T., & Bartelt, G. (2021). Comprehensive literacy for students with significant disabilities. Prairie
Lakes Area Education Agency, IA.- **online**

Zaugg, T., & Bartelt, G. (2020). Math for students with significant disabilities. Prairie Lakes Area Education Agency, IA.- **online**

Zaugg, T. (2020). Creating an engaging virtual experience for learners. Early Childhood Meeting. Pocahontas, IA.

Zaugg, T. (2020, September). Accessibility. Learning Consultants. Pocahontas, IA.- **online**

Zaugg, T. (2018, January). AT across settings. Prairie Lakes AEA Teachers. Pocahontas, IA.- **online**

Zaugg, T. (2017, September). Executive functioning apps and extensions. Pocahontas, IA.- **online**

Zaugg, T. (2016). AIM & reading accommodations. Prairie Lakes AEA Special Ed. Consultants. Fort Dodge, IA.

Zaugg, T. (2014). AIM/AEM/?? Oh my. Special Education Consultant meeting. Spencer, IA.

Zaugg, T., Taphorn, K., & Prentice, J. (2016, August). DLM alternate assessment grades 3, 4, 5, 6, 7,8, 9 (optional), 10, and 11. Prairie Lakes Agency-Wide Teachers. Pocahontas, IA.

PROFESSIONAL SERVICE

2025	OSEP Grant Proposal Reviewer
2024-Present	CITES Advisory Board (Center for Inclusive Technology & Education Systems at CAST)
2024-Present	OSEP Technology Grant Work Group
2024-Present	Education Sciences Journal Reviewer
Fall 2023-2024	Mentor for UCF Transfer-Learning Environment and Academic Research Network
	Association of Doctoral Students in Exceptional Education (President)
Fall	ISTE Book Reviewer
2023-Present	
Fall 2023	Featured Speaker: RSED 5190/6190 Community-Based Instruction and Related Services, <i>Auburn University</i>
2021-Present	Inclusive Classroom Conference (Founder)
2022-Present	Florida Down Syndrome Foundation (Volunteer)
2022-Present	Florida Council for Exceptional Children (Board Member)
2013-2017	SIIA CODiE Awards (Judge)

CURRENT PROFESSIONAL MEMBERSHIPS

2017-Present	International Society for Technology in Education (ISTE)
2022-Present	Council for Exceptional Children (Divisions: TED & Innovations in Special Education Technology)
2022-Present	The Institute of Electrical and Electronics Engineers, Incorporated (IEEE)
2022-Present	Florida Council for Exceptional Children
2022-Present	Closing the Gap
2022-Present	Association of Doctoral Students in Exceptional Education
2023-Present	Florida Association of Speech-Language Pathologists and Audiologists

2023-Present	National Council of Teachers of Mathematics
2023-Present	ACRES The American Council on Rural Special Education
2023-Present	National Defense Industrial Association
2023-Present	Association of Mathematics Teacher Educators
2023-Present	Research Council on Mathematics Learning