

Elizabeth A. Gross, Ph.D., MLIS

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elizabeth.gross@gmail.com
810.765.2903

EDUCATION

Wayne State University Detroit, Michigan
Doctor of Philosophy, Instructional Technology December 2014
Dissertation: The Role of Reflection in Expert Teacher Instruction

Wayne State University Detroit, Michigan
Education Specialist, Instructional Technology 2009
*Areas of Emphasis: Interactive Technologies,
Instructional Design Theory*

Wayne State University Detroit, Michigan
Master of Library and Information Science 2001
*Areas of study: Research, School Librarianship,
Archives*

Northern Michigan University Marquette, Michigan
Bachelor of Arts, History and German 1981
Swim Team Captain, academic All-American

Oakland Community College Farmington, Michigan
Associates liberal arts, math, science, engineering 1979
Swim Team Captain, All-American

HONORS AND AWARDS

2001-02 Student President, Michigan Association for Media in
Education, Wayne State University

1981 Coaches' Award, Women's Swim Team, Northern
Michigan University

1980-1981 Team Captain, Women's Swim Team, Northern Michigan
University

1978-1979 Team Captain, Women's Swim Team, Oakland
Community College, All-American 1979

PROFESSIONAL EMPLOYMENT

Sam Houston State University Huntsville, Texas
Assistant Professor, Library Science January 2017-present
*Reference for the school librarian; Digital tools for the school
librarian; Research design and methodology; Computer
applications in the school library*

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Kettering University

Postdoctoral Research Fellow,
Mechanical Engineering

*Research Project: Understanding and Measuring
Knowledge Construction in Engineers Returning to School
For a Master's Degree*

Flint, Michigan
2016-present

Wayne State University

Adjunct Professor, Instructional Technology
Theory, research, and practice of instructional technology

Detroit, Michigan
2015-2017

Article One Partners

Researcher

*Intellectual property research for prior art claims regarding patents in various
technologies*

Virtual
2012-2016

FamilyPoint Resources

Director of the Library

Houston, Texas
March 2013-
September 2014

Summary of service:

Library catalog

- Managed the conversion from non-Marc to Marc catalog records
- Installation of open-source integrated library system (Koha)

Library collection

- Trained volunteers to shelf-read and shelve books
- Developed and implemented the collection management plan
- Developed resources for funding for books

Library community

- Applied a needs assessment—library, patrons, community, and agency
- New Plinkit-based library site, giving online access to catalog
- Supplied patrons with support for job applications, language, and other needs
- Conducted Readers Advisory for all patrons
- Coordinated author visits
- Coordinated with local school librarians to support literacy efforts
- Taught information literacy skills to middle- and high-schoolers
- Taught students to formulate research papers

Literacy Advance Houston

Database Developer and Project Manager

Houston, Texas
December 2012-
March 2013

- *Conducted needs assessment for the development team*
- *Created new database for development team*

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- *Created style guide and user manual*
- *Trained staff on new database*

O'Donnell & Associates

Instructional developer and designer

Virtual

March-October 2012

- *SME for information networks*
- *Designed and developed course modules for high school students aligned to state benchmarks in the US*
- *Instruction written for eighth-grade reading level*

Personal Papers Project

Extensive personal papers archive arrangement

Houston, Texas

July-September, 2011

- *Assessed personal and professional papers and memorabilia of two individuals*
- *Supported the client's intent and desire for the repository of the material*
- *Applied professional archival practice to arrange, index, and store the papers and memorabilia*

Howell Public Schools

High School Librarian/Media Specialist

Howell, Michigan

December 2008-

June 2011

- *Lead teacher for technology integration for teachers*
- *Instructional design support*
- *Collection Development*
- *Consultant to the English department vis-à-vis elearning*
- *Teacher-Trainer*
- *Design lead, instructional collaboration for information literacy*
- *Technology Support*
- *Supervised a staff of three*
- *Increased circulation 45 percent*
- *Incorporated de-selection ("weeding") program*
- *Repaired relationship between the public library and the school*

Mount Clemens Public Schools

Elementary, Secondary Librarian/Media Specialist

Mount Clemens,

Michigan

October 2003-

November 2008

- *Supervised student workers*
- *Circulation statistics doubled in first year*
- *Augmented library use for students and teachers*
- *Introduced tutoring after school in the library*
- *Assisted students with college applications, financial aid, and the like*
- *Web mistress, Mount Clemens High School, 2007-2008*

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- *Advisor, Senior Class*
- *Research support for teachers in graduate-level classes*
- *Technology coordinator*
- *Liaison, Michigan Profile for Healthy Youth Survey*

Farmington Community Schools High School Librarian/Media Specialist

Farmington, Michigan
September 2002-
September 2003

- *Supervised a staff of two and students*
- *Found innovative ways to engage faculty with the collection*
- *Increased the use of technology for faculty and for student work*
- *Reconfigured the physical collection for ease in finding materials*
- *Increased staff sensitivity to student needs*

Romeo Community Schools Elementary Librarian/Media Specialist

Romeo, Michigan
September 2001-
June 2002

- *Technology skills for students*
- *Readers Advisory*
- *Library use instruction*
- *Information literacy*

Algonac Community Schools Adult and alternative education teacher, all subjects

Marine City,
Michigan
November 1990-
June 1993

CERTIFICATIONS

Michigan Department of Education current professional teaching endorsement K-12
Expires June, 2020.

PUBLICATIONS

- Gross, E. (2007). How to interest teens in reading: The never-ending story. *Media Spectrum* (34)1, 37-8.
- Barbour, M. K., Siko, J., Gross, E., & Waddell, K. (2013). Virtually unprepared: Examining the preparation of K-12 online teachers. In R. Hartshorne, T. Heafner, & T Petty (Eds.), *Teacher education programs and online learning tools: Innovations in teacher preparation*. Hershey, PA: IGI Global.
- Gross, E., Peters, D. L., Daly, S., & Mann, S. (2017). Perceived self-efficacy of master's in engineering students regarding software proficiency and engineering acumen. *Proceedings of the ASEE Annual Conference, Columbus, OH 2017*.
- Peters, D., Gross, E., Mosyjowski, E., Daly, S. R. (2017). An Overview of Returners in Engineering Graduate Education: Diverse Pathways and Unanswered Questions. *CAEL Forum and News*.

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PRESENTATIONS

- Gross, E., Peters, D. L., & Daly, S. (2016). Back to the Books: The Master's in Engineering student. *Poster for Kettering University Homecoming Faculty Research Presentations*
- Gross, E., Mann, S., Peters, D. L., & Daly, S. (2017). The master's in Engineering Student: Does industry experience change the learner? *Poster for University of Michigan School of Engineering Research poster session for Engineering Education.*
- Gross, E., Mann, S., Peters, D. L., & Daly, S. (2017). The engineering graduate student: Who are these people? *Poster for Kettering University Homecoming Faculty Research Presentations*
- Gross, E., Mann, S., Peters, D. L., & Daly, S. (2017) Master's in Engineering students and their perceived efficacy at work and in class. *Poster for ASEE Annual Conference, Columbus, OH 2017.*

SERVICE

- Consultant, Family Point Resources' Nottingham Library, 2016-Present
- Literacy Advance of Houston 2012-2016
- Corridor Rescue Houston 2012-2016
- Book Review blog "Mercury Horizon"

OTHER PROFESSIONALLY RELATED SERVICE

- Kettering University Center for Excellence in Teaching and Learning Teaching Talk: "Tips for building a Qualtrics Research Tool."
- Researcher, University of Houston School Psychology Program: yoga and its influence on school performance. With Bradley Smith, PhD., 2015-current
- Contributor, Libraryonline Learning Community "Blended Librarian" Discussion Board, 2007-2012.
- Book Reviewer, E-STREAMS: Electronic reviews of Science and Technology Reference titles: Engineering, Agriculture, Medicine, and Science 2005-06
- Editor, WebJunction, 2002.
- Researcher, k-12 online learning, with Dr. Michael Barbour, Wayne State University.
- Website developer, Latino Hispanic Community Project, 2010
- Association for Educational Communications and Technology (AECT):
 - Committee Member: Design and Development Division; Reviewer for Outstanding Practice Award 2010.