

STEVEN R MALIKOWSKI, PHD

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Career Goal & Summary

I am looking for a senior position in instructional design/online learning. My passion for this work has led to receiving over **\$400,000 in grants**, creating online lessons with a variety of technologies, and most important, working with a range of people—in the **US and UK**. I have worked with surgeons, airline pilots, psychologists, computer programmers, and family doctors to create in-person and online learning activities.

While working with these professionals, I applied my skills as a system administrator with **Canvas, Moodle, and Blackboard**. When those systems were not suited for our goals, I applied my skills in software development to create a specific solution, using development tools like **Captivate, JavaScript, Responsive HTML, C#, and SQL**. In all this work, I make deliberate efforts to earn and keep the respect of my colleagues, so we can complete our work on time, feel proud of what we accomplished, and assess what we have done for ongoing improvement.

Education

Doctor of Philosophy in Education, 2004

- Indiana University: Bloomington, Indiana
- Major: Instructional Systems Technology
- Minor: Library Science

Master of Education, 1998

- University of Minnesota: Minneapolis, MN
- Major: Curriculum and Instructional Systems

Bachelor of Arts in English, 1990

- St. Cloud State University: St. Cloud, MN
- Major: Technical Communication

Community College of the Air Force, 1985

- Certificate of Training in Aircraft Navigation Systems

Funded Grant Proposals

Received £200,000 (\$330,000) grant from the Joint Information Systems Committee in 2008

- Developed and implemented virtual patients at St. George's Hospital & Medical School

Received \$10,000 grant from St. Cloud State University Internal Grants Committee in 2006

- Funded my three-year study of how 100 faculty members used the Desire2Learn LMS

Received \$14,000 grant from Indiana University School of Graduate Studies in 1999

- Funded my doctoral research

Received \$120,000 grant from North Central Research Laboratory in 1998

- Developed and delivered workshops describing how to create Web-based distance learning

Experience

Volunteer eLearning Developer: Minneapolis Community Education—Minneapolis, MN
May 2020 - Present

- Developing Intro to Bike Touring website, which builds on cycling classes I teach at Minneapolis Community Education & REI
- Created 3 lessons for website: 1) Preparing a bike, 2) Packing gear, 3) Choosing a route
- Creating branching simulation where learners apply what they learned in the 3 lessons
- Utilizing Adobe Captivate, JavaScript, HTML, JSON, and Unix server management

Consultant: Magenic Technologies—Minneapolis, MN
July 2019 to May 2020

- Created APIs and automatic reports using C#, SQL procedures, JavaScript & TypeScript
- Completed courses in software development processes like Agile & SAFe

Personal Time Off

May 2018 to July 2019

- Cycled 4,200 miles across the US to raise money for cancer research
- Completed course in computer programming—including C#, SQL, & JavaScript

Education Program Specialist: University of Minnesota Medical School—Minneapolis, MN
June 2016 to May 2018

- Administered and maintained departmental learning management system, using Moodle
- Designed & Implemented online assessment, course evaluations, and other learning activities
- Provided technical support to professors and learners regarding online learning

Founder and Freelance Technical Writer: WordShop Services—St. Paul, MN
November 2015 to June 2016

- Wrote online help, grant proposals, and research reports
- Developed online lessons using Adobe Captivate, HTML, and CSS
- Maintained the company's WordPress site

Manager/Lecturer: University of London, St. George's Hospital & Medical School—England
April 2008 to October 2015

- Led the workgroup Learning Technology Services and manage £46,000 (\$75,900) budget
- Advised university leaders on the direction and support services for learning technology
- Taught courses about education in the Post-Graduate Certification and undergraduate medical program
- Advised on the creation of new curriculum and classes

Manager/Assistant Professor: St. Cloud State University—St. Cloud, MN
August 2004 to April 2008

- Taught undergraduate and postgraduate classes and workshops focusing on e-learning
- Led the workgroup Statistical Consulting and Research Support & managed \$20,000 budget
- Led research team investigating use of a CMS/LMS used by 120 professors over 3 years
- Led my department's curriculum committee and recreated online classes

Experience (continued)

Instructional Design Contractor: PLATO Learning—Bloomington, MN

May 2004 to July 2004

- Wrote design documents for computer-based lessons, teaching remedial math to adults
- Advised on teaching and evaluation methods for computer-based lessons

Instructional Designer/Adjunct Professor: Walden University—Minneapolis, MN

August 1999 to September 2003

- Led the instructional design effort to create a new online MBA
- Assisted professors in developing online classes for adult learners, in business & other fields
- Taught online post-graduate classes, describing effective use of technology for learning

Teaching Assistant/Instructional Designer: Indiana University—Bloomington, Indiana

January 1996 to August 1999

- Advised corporate, university, and K-12 clients on the use of learning technology
- Worked with a variety of research teams analyzing the effects of learning technology

Instructional Designer: Northwest Airlines Flight Training & Development—Minneapolis

August 1993 to November 1995

- Developed computer-based instruction for pilot training, focusing on the B757 aircraft
- Created lessons for Annual Recurrent Training with the assistance of ground instructors

Computer Programmer/Instructional Designer University of Minnesota—Minneapolis

September 1992 to July 1993

- Designed and developed computer-based instruction for the School of Education, the School of Journalism, and the School of Veterinary Medicine

Publications

Invited Reviewer for Research Manuscripts

The journals listed below have asked me to review manuscripts submitted for publication.

- **Journal of Educational Computing Research**, Published by Baywood
- **Internet in Higher Education**, Published by Elsevier
- **Instructional Science**, Published by Springer

A Three-Year Analysis of CMS Use in Resident University Courses

- Malikowski, S. R. (2010-11). A Three Year Analysis of CMS Use in Resident University Courses. *Journal of Educational Technology Systems*, 39, 1, 65-85.

Factors Related to Breadth of Use in Course Management Systems

- Malikowski, S. R. (2008). Factors related to breadth of use in course management systems. *Internet and Higher Education*, 11(2), 81-86.

A Model for Research into Course Management Systems

- Malikowski, S. R., Thompson, M. E., & Theis, J. G. (2007) A model for research into course management systems: Bridging technology and learning theory. *Journal of Educational Computing Research*, 36, (2).

Publications (Continued)

External Factors Associated With Adopting A CMS in Resident College Courses

- Malikowski, S., Thompson, M., & Theis, J. G. (2006). External factors associated with adopting a CMS in resident college courses. *Internet & Higher Education*, 9(3), 163-174.

Using Web-Based Cases to Enhance, Extend and Transform Preservice Teacher Training: Two Years in Review

- Bonk, C. J., Daytner, K., Daytner, G., Dennen, V., & Malikowski, S. (2001). Using Web-based cases to enhance, extend and transform preservice teacher training: Two years in review. *Computers in the Schools*, 18(1), 189-211.

Holy Cow: Case Based Conferencing On The Web With Preservice Teachers

- Bonk, C., Angeli, C., Malikowski, S., & Supplee, L. (2001). Holy cow: Scaffolding case based conferencing on the web with preservice teachers. *Education at a Distance*, 15(8).

We're in Title to Dream: Envisioning a Community of Practice

- Bonk, C. J., Hara, H., Dennen, V., Malikowski, S., & Supplee, L. (2000). We're in TITLE to dream: Envisioning a community of practice, "The Intraplanetary Teacher Learning Exchange." *CyberPsychology and Behavior*, 3(1), 25-39.

Web-Based Case Conferencing for Preservice Teacher Education

- Bonk, C. J., Malikowski, S., Angeli, C., & East, J. (1998). Web-based case conferencing for preservice teacher education: Electronic discourse from the field, *Journal of Educational Computing Research*, 19(3), 267-304.

Interacting in History's Largest Library: Web-Based Conferencing Tools

- Malikowski, S. R. (1997). Interacting in history's largest library: Web-based conferencing tools. In B. Kahn (Ed.), *Web-Based Instruction* (pp. 283-294). Englewood Cliffs, New Jersey: Educational Technology Publications.

Conference Presentations

Increasing the Use of Interactive E-Learning Features

- 2014 Moodle Moot Conference—Edinburgh, Scotland

Student comparisons of tutors, Google, Wikipedia and other resources

- 2009 Association for Medical Education in Europe Conference—Malaga, Spain

Factors affecting VLE use over 3 years: 2005, 2006 and 2007

- 2009 ALT-C—Manchester, England

What Colleges Get from D2L and How to Get More

- 2007 Desire2Learn Users Conference—Duluth, MN

Factors Related to Breadth of CMS Use

- 2007 American Educational Research Association Conference—Chicago, Illinois

How Course Management Systems are Used and Factors Affecting Use

- 2006 University of Wisconsin Conference on Distance Teaching and Learning—Madison, Wisconsin

Conference Presentations (Continued)

Successfully Starting All Students: Small and Large Efforts to Prepare Students

- 2005 University of Wisconsin Conference on Distance Teaching and Learning—Madison, Wisconsin

Recommendations for Addressing Drop-Out in Online, Teacher Education Courses

- 2005 Conference for the Society for Information Technology and Teacher Education—Phoenix, Arizona

Online Learning: Good News, Bad News and One Orientation Course

- 1999 Topics in Distance Learning, Purdue University Summer Workshop Series—Calumet, Indiana

Online Mentoring of Pre-Service Teachers with Web-Based Cases, Conversations and Collaborations: Two Years in Review

- 1999 American Educational Research Association Conference—Montreal, Canada

Case-Based "Conferencing on the Web" with Pre-Service Teachers

- 1998 American Educational Research Association Conference—San Diego,

Writing on the Internet: Creating a Space, Supporting Interaction and Integrating Advanced Technology

- 1998 American Educational Research Association Conference—San Diego,

A Case-Based Electronic Learning Environment for Pre-Service Teacher Education

- 1998 Society for IT and Teacher Education—Washington, DC

Selected Samples of Teaching & eLearning

Lecture about creating effective surveys in e-learning medical education

2013: University of London, St. George's Hospital & Medical School

- Presented to 200 medical students who needed to create and analyze surveys
- Full 58 minute version: <http://youtu.be/pvF-wREFjvQ>
- Short 5 minute version: <http://youtu.be/cOMtzZmiqJw>

Introduction to a new system for creating ambitious e-learning projects

2014: University of London, St. George's Hospital & Medical School

- Presented to 30 members of teaching staff from St. George's Medical School
- Full 18 minute version: http://youtu.be/GOTIN_0lynA
- Short 4 minute version: <http://youtu.be/XGtDDVp8Uyc>

Introduction to Android Tablets at St. George's Hospital & Medical School

2014: University of London, St. George's Hospital & Medical School

- Animated presentation showing how tablets would be used to replace 1,000s of paper forms
- <https://vimeo.com/105473208>

My online portfolio has more samples of my work, at <http://stevens-portfolio.com>.