

Szymon Machajewski | CURRICULUM VITAE

SUBJECT MATTER:

Business Administration with Management of Information Systems
Computer Science with Project Management
Software Development & Innovation

CERTIFICATIONS:

Technical and Industry Certifications

Certified Blackboard Administrator, Blackboard Inc.
Certified Netware Administrator. Novell, Inc.
Directory Services and Authentication Certificate of Expertise, Red Hat, Inc.
Google Data Analytics Certification, Google.
Linux+. CompTIA.
Microsoft Certified Solution Developer. Microsoft.
MySQL Core Certification. MySQL, AB.
Oracle Certified Associate, Oracle.
Red Hat Certified Engineer. Red Hat, Inc.
Sun Certified Associate. Java Platform. Sun Microsystems.
TechSmith Camtasia Certified
Titanium Certified App Developer, Appcelerator Inc.
Zend Certified Engineer. Zend PHP Certification. Zend Technologies, Inc.

Academic and Research Certifications

Advanced Teaching Certification in Blackboard Learn Original
Davenport University: Online Teaching Certification
Grand Rapids Community College: Online and Hybrid Teaching Certification
Grand Valley State University: Online Teaching Certification
Grand Valley State University: Responsible Conduct of Research: Concise as part of the
Epigeum Online Course System (certificate number: 1502420042)
International Academy of Design & Technology: Online Teaching Certification
Octalysis Gamification Level One Certification, Yu-kay Chou and Octalysis Group
University of Miami. IRB Required Certification for Human Research, Collaborative
Institutional Training Initiative. CITI Program.

HONORS AND AWARDS:

Kroner Cup – Blackboard Hackathon. (2018). Amazon AI & Blackboard API. Build an application to solve a problem facing education. Submission: Sentiment Stream – detecting emotional charge in written statements based on student expressions in discussion forums, assignment submissions, Slack, etc.

Blackboard MVP. (2017). The program consists of faculty members, administrators who have proven themselves as leaders in the education technology community.

Exemplary Course Award, Blackboard Inc. (2017). "Introduction to Computing, CIS150". In recognition for earning a 2017 Exemplary Course award and for a commitment to excellence in online education. Retrieved from <http://press.blackboard.com/Blackboard-Catalyst-Awards-2017>

Most Inclusive Classroom Award, Blackboard Inc. (2016). Retrieved from bit.ly/GVSU16

Exemplary Course Award, Blackboard Inc. (2014). Introduction to Telecommunications. Retrieved from bit.ly/2oWd379

Catalyst Award in Innovative Development, Blackboard Inc. (2011). Retrieved from machajewski.org/szymon/images/big_catalyst.jpg

Innovative Education Expert, Microsoft. (2015-2017). Retrieved from bit.ly/GVSUMS

Featured Educator, Common Sense Media. (2014).

WZZM 13. (May 6, 2014). TV report on NSA encrypted message, part of NSA Careers campaign to attract new talent. Retrieved from bit.ly/1nHrYzh

Armen Service Learning Award. (2013). Mentorship of Student Team in a Service Learning Competition. Grand Rapids Community College. Retrieved from bit.ly/Lbz4Kc

Cengage Learning. Case Study. (2014) SAM Helps Intimidated Students Gain Confidence and Proficiency with Computer Technology Retrieved from bit.ly/GVSU_Cengage

Customer Service Award, Grand Rapids Community College. (2010). Retrieved from bit.ly/1mcIIKZ

PROFESSIONAL EXPERIENCE:

Academic

Affiliate Faculty, Grand Valley State University, since 2013
Assistant Professor, Grand Rapids Community College, 2010-2013
Adjunct Instructor, Davenport University, 2005-2010
Adjunct Instructor, Grand Rapids Community College, 2003-2005

Technical

Senior Software Architect / Technical Consultant, University of Illinois at Chicago, since 2009

Online Teaching and Instructional Design Projects, 2009-2013
Davenport University (course builder, SME, instructor), Northwestern University
GiftedLinks (course builder, instructor), University of the People (course builder, instructor), BrainMass.com (Computer Science Expert Educator), Education Portal
Remilon (Computer Science Writer).

Senior Solutions Engineer and Oracle DBA, Grand Rapids Community College, 1997-2010

SERVICE ACTIVITIES:

College

Faculty Mentor, Hour of Code. (2014-2017).

IBM NetApp. NetApp University Certifications in Enterprise Storage Fundamentals (2014-2017).

Faculty Mentor, Digital and Information Literacy Library Session. (2014-2016).

CIS Student Success Center. (August, 2015 – December, 2016).

Community Service including K-12

EDUCAUSE Annual Conference 2017. Proposal Reviewer. EDUCAUSE is a nonprofit association and the foremost community of IT leaders and professionals committed to advancing higher education.

Software & Information Industry Association SIIA. (December 1, 2015 - April 30, 2016). CODiE Award Judge. The SIIA CODiE Awards recognize the best new companies and products.

Member, FIRST Mentor: Robotics (STEM Program). (2013).

K-12 School or School System, Jenison International Academy, Edinburgh, GB. (2015). Development and implementation of Moodle integration with Blackboard.

Center for Talent Development (K12 Gifted Learning Links) at Northwestern University, Northwestern University. Development of online MySQL/PHP course.

Collaboration on courses in online K12 environment of GLL.

SCHOLARLY/CREATIVE ACTIVITIES:

Intellectual Property Publications

Machajewski, S., Steffen, A., Romero Fuerte, E., & Rivera, E. (2018). Patterns in Faculty Learning Management System Use. *TechTrends*. Retrieved from <https://link.springer.com/article/10.1007%2Fs11528-018-0327-0>

Machajewski, S. (2018). *Educational Gamification System and Teaching Process*, U.S. Patent No. 10,026,331. Washington DC: U.S. Patent and Trademark Office.

Machajewski, S. (2017). Gamification Strategies in a Hybrid Exemplary College Course. *International Journal Of Educational Technology*, 4(3), 1-16. Retrieved from <https://educationaltechnology.net/ijet/index.php/ijet/article/view/20>

Ryder, R., & Machajewski, S. (2017). The “UIC German” game app for the enhancement of foreign language learning - Case study. *International Journal Of Educational Technology*, 4(1), 1-16. Retrieved from <http://educationaltechnology.net/ijet/index.php/ijet/article/view/13>

- Machajewski, S. (2017), Gamification in Blackboard Learn. Conference Proceedings. Retrieved from Education Resources Information Center <https://eric.ed.gov/?id=ED575007>
- Machajewski, S. (2017). The short and long game theory for academic courses. Blackboard Inc. Retrieved from <http://blog.blackboard.com/the-short-and-long-game-theory-for-academic-courses/>
- Machajewski, S. (2017). Digital audio assistants in teaching and learning. Blackboard Inc. Retrieved from <http://blog.blackboard.com/digital-audio-assistants/>
- Machajewski, S. (2017). Application of Gamification in a College STEM Introductory Course. (Doctoral dissertation). Retrieved from Education Resources Information Center <https://eric.ed.gov/?id=ED574876>
- Machajewski, S. (2017). Getting Comfortable with Failure and Vulnerability to Facilitate Learning and Innovation in the Game of School. Great Lakes Conference on Teaching & Learning. Central Michigan University. Retrieved from <http://scholarworks.gvsu.edu/cisotherpubs/2/>
- Machajewski, S. (2016). Building Inclusive University Culture by Gameful Design of Teaching. Lilly Conference. Retrieved from <http://scholarworks.gvsu.edu/cisotherpubs/1>
- Machajewski, S. (2016) Computer Software Release: Open Photo Roster. Open Teaching Tools. Book 1. Retrieved from http://scholarworks.gvsu.edu/oer_teaching/1
- Machajewski, S. (2016). Teaching Craft: Tips for Inclusive Learning. *Amazon Alexa Skill*. Amazon.
- Machajewski, S. (2016). Guide for the GVSU technology Showcase. *Amazon Alexa Skill*. Amazon.
- Machajewski, S. (2016). Computers Storified in Viking History by Floki. *Amazon Alexa Skill*. Amazon.
- Machajewski, S. (2015). *Software Project: Blackboard Mashup: Google YouTube API fix*. Retrieved from <http://projects.oscelot.org/gf/project/ytmashupfix/>
- Machajewski, S. (2015). *Software Project: Blackboard LoginAs: Blackboard LMS Administrative Tool*. Retrieved from <http://projects.oscelot.org/gf/project/loginas/>
- Machajewski, S. (2014). iTunesU. Introduction to Computing (CIS150 GVSU). Retrieved from <https://itunes.apple.com/us/course/introduction-to-computing-cis150-gvsu/id840339795>

Machajewski, S. (2014). Open Source Analytics for Blackboard Learn, BbStats – Activity Dashboard. Paper presented at the Big Data Conference, Allendale, MI. Retrieved from https://scholarworks.gvsu.edu/bigdata_conference2014/10

Conference Presentations

Machajewski, S. (Presenter), Big Data Ignite Conference. Big Data Problem in Education – Permission to Fail. Grand Rapids, MI (Oct, 2017).

Machajewski, S. (Presenter), Higher Education Blackboard Innovative Teaching Series (BITS). Digital Gamification in College Courses. (Oct, 2017).

Machajewski, S. (Presenter), Blackboard World Conference, “Gamification in Blackboard Learn,” Blackboard Inc., New Orleans, LA. (July 26, 2017) Retrieved from Education Resources Information Center <https://eric.ed.gov/?q=machajewski&id=ED575007>

Machajewski, S. (Presenter & Author), Blackboard Developers Conference, “Course design patterns: Latent Class Analysis with open source BbStats,” Blackboard Inc., New Orleans, LA. (July 24, 2017)

Machajewski, S. (Presenter), Great Lakes Conference on Teaching and Learning, “Getting comfortable with failure and vulnerability to facilitate learning and innovation in the game of school,” Central Michigan University. (May 8-10, 2017)

Machajewski, S. (Presenter), IT Professionals Forum - Under the Sea | Discover a World of Opportunities, “Fresh ACCC Technology Solutions are about to Surface - Learning Technologies, the Product Roadmap,” University of Illinois at Chicago. (May 31, 2017)

Machajewski, S. (Presenter), Center for the Advancement of Teaching-Learning Communities, "Games and Simulations as Tools for Teaching and Learning," University of Illinois at Chicago, Chicago, IL. (November 17, 2016).

Machajewski, S. (Presenter), Evidence-Based Teaching and Learning, "Building Inclusive University Culture by Gameful Design of Teaching," Lilly Conference, Traverse City, MI. (October 20, 2016).

Machajewski, S. (Presenter), Blackboard World Conference, "Open Source Analytics for Growing Adoption of Blackboard Learn," Blackboard Inc., Las Vegas. (July 11, 2016).

Machajewski, S. (Presenter), Blackboard World Conference, "Using the ITIL framework to drive technology adoption.," Blackboard Inc., Las Vegas. (July 12, 2016).

Machajewski, S. (Presenter), Teaching and Learning with Technology Symposium,

"Emerging Technologies and Expanding Possibilities through the Technology Showcase," Grand Valley State University, Allendale, MI. (March 23, 2016).

Machajewski, S. (Presenter), UIC TechTeach Conference, "Gameful Thinking in Teaching to Inspire Learning," University of Illinois at Chicago, Chicago, IL. (November 19, 2015).

Machajewski, S. (Presenter), 2015 Fall Science Update Conference, "Engaging Students in Learning Beyond Gamification with Gameful Design," Grand Valley State University, Allendale, MI. (Nov 18, 2015).

Machajewski, S. (Presenter), ETOM Conference, "Creating Csikszentmihalyi's Flow in Your Course for More Students," Educational Technology Organization of Michigan. (November 6, 2015).

Machajewski, S. (Presenter), Faculty Learning Circle, "Polleverywhere as practice of peer instruction," University of Illinois at Chicago, Chicago, IL. (August 6, 2015).

Machajewski, S. (Presenter), Scholarship of Teaching and Learning Academy SoTL Conference, "Classroom and Online Activities to Build Learning Engagement," University of Findlay, Findlay, OH. (May 18, 2015).

Machajewski, S. (Presenter), Trends in Occupational Studies Conference, "Meaningful Gamification of Classroom and Online Activities," Northwestern Michigan College, Traverse City, MI. (October 17, 2014).

Machajewski, S. (Presenter), 2013 Global Education Conference, "Globalization of credentials by adopting skill driven badges," International Education and Resource Network (IEARN), Online. (November 17, 2013).

Machajewski, S. (Presenter), Writing Workshop, "Writing workshop: Lapidary Style of Writing in the Age of Information," Grand Rapids Community College, Grand Rapids, MI. (October 23, 2013).

Machajewski, S. (Presenter), Trends in Occupational Studies Conference, "Program of Study: Open Badges for Engagement and Retention - badges as mini-credentials for skills," Northwestern Michigan College, Traverse City, MI. (October 17, 2013).

Since 2009, over thirty five occupational programs have followed a developmental process that resulted in a Program of Study as directed by the State of Michigan. The second year of the Program of Study development process involves continued data analysis and research and sharing the Program of Study results internally and externally. The Web Design program of study from the High School level to Higher Education level is the subject of this research. While degrees do convey information about peoples' skills, they often tend to be abstracted from the actual learning that has occurred. Two people with the same degree may have taken very different

learning pathways or developed different skills. Many people without a formal degree possess a vast set of job-relevant skills. Electronic Badges, specifically Mozilla Open Badges, help by providing a more complete picture, recognizing a more granular set of skills.

Machajewski, S. (Presenter), Trends in Occupational Studies Conference, "Program of Study: Web Design - bridging the curriculum gap between High Schools and College level courses," Northwestern Michigan College, Traverse City, MI. (October 17, 2013).

Machajewski, S. (Presenter), Teaching, Learning, and Technology Showcase, "Using Peer Assessment to Create a Learning Community," Grand Rapids Community College, Grand Rapids, MI. (March 20, 2013).

Machajewski, S. (Presenter), Scholarship of Teaching and Learning SoTL, "Engaging students with Personal Learning Networks," Grand Valley State University, Grand Rapids, MI. (May 21, 2012).

Academic Courses Taught

CO003 Fundamentals of Computer Operations
CO101 Introduction to Computer Applications
CO105 Windows Operating System
CIS150 Introduction to Computing
CO116 Intro to Programming
CO127 C++ Programming
CO205 Advanced Windows Operating System
CO212 Principles of Information Security
CO232 UNIX Administration for Linux+ Certification
CO241 Web Databases with PHP and MySQL
CO246 Apache Web Server Security & Administration
CO255 Oracle Database Administration
CO275 Mobile Device Security and Application Development
CISP247 Database Design and Implementation
BITS212 Microcomputer Applications: Database
IT300 Web Server Administration (Apache & IIS)
IT302 Linux Administration CO230 Intro to Telecommunications
CS 3305 Advanced Web Programming
CS 4405 Mobile Applications Development

Professional Development Activities Attended

Blackboard World Conference, Blackboard Inc, New Orleans, LA. (July, 2017)
Blackboard Developers Conference, Blackboard Inc., New Orleans, LA. (July, 2017)
MoodleMoot, Moodle.org, New Orleans, LA. (July, 2017)

Great Lakes Conference on Teaching and Learning, Central Michigan University. (May 8-10, 2017)

Blackboard Professional Courses Series. "Blackboard Learn Teaching Essentials for Ultra." Adapting the Ultra experience in building courses and student learning. (May 30, 2017)

IT Professionals Forum - Under the Sea | Discover a World of Opportunities, University of Illinois at Chicago. (May 31, 2017)

Seminar, "Security Awareness Training, SANS," University of Illinois at Chicago. (June 17, 2017).

Workshop, "Exploring Digital Storytelling," Online Learning Consortium OLC. (June 6, 2016).

Workshop, "Designing Gamified Learning Environments," Online Learning Consortium OLC. (September 26, 2016).

Workshop, "How Can Students Use Self-Compassion to Reduce Test Anxiety?" Magna Publications. (February 13, 2016).

Conference Attendance, "Reimagining University IT," MOR Leaders Conference, Chicago, Illinois, US. (June 14, 2016).

Workshop, "Design Thinking Faculty Summit," Grand Valley State University. (October 13, 2016).

Continuing Education Program, "Ethics Training," University of Illinois at Chicago. (October 3, 2016).

Continuing Education Program, "Bystander Intervention, Title IX," University of Illinois at Chicago. (August 30, 2016).

Conference Attendance, "Blackboard World 2016," Blackboard, Las Vegas, NV. (July 26, 2016).

Seminar, "Security Awareness Training, SANS," University of Illinois at Chicago. (June 5, 2016).

Conference Attendance, "Teachers Teaching Teachers about Technology 4T Virtual Conference," University of Michigan, Ann Arbor, Michigan. (May 19, 2016 - May 23, 2016).

Continuing Education Program, "Preventing Discrimination and Sexual Violence: Title IX, VAWA and Clery Act for Faculty," University of Illinois at Chicago. (March 3, 2016).

Conference Attendance, "Hack the Classroom," Microsoft. (January 30, 2016).

Seminar, "Six Practical Strategies to Improve Your Online Course," Magna Seminars. (February 18, 2014).

Workshop, "An Introduction to Evidence-Based Undergraduate STEM Teaching," Vanderbilt University. (October 1, 2015 - December 8, 2015).

Workshop, "Grant Writing Workshop with David Bauer," Grand Valley State University - Office of Sponsored Programs, Allendale, Michigan. (October 1, 2015 - October 2, 2015).

Conference Attendance, "Knowledge from the Margins Conference," Michigan State

University, Lansing, Michigan. (August 18, 2015 - August 19, 2015).

Conference Attendance, "Blackboard World 2015," Blackboard, Washington, DC. (July 21, 2015).

Conference Attendance, "2015 4T Virtual Conference," University of Michigan. (May 16, 2015 - May 18, 2015).

Continuing Education Program, "Highest Honors in Web Accessibility for Online Educators," Desire2Learn. Retrieved from <http://bit.ly/2o6Crpl> (April 1, 2015).

Continuing Education Program, "Security Awareness Training," System Administration, Networking, and Security Institute SANS. (January 10, 2015 - January 17, 2015).

Continuing Education Program, "White Hat Hacking and Penetration Testing," O'Reilly & Infinite Skills, Inc. (January 7, 2015).

Seminar, "Six Practical Strategies to Improve Your Online Course," Magna Seminars. (February 18, 2014).

Continuing Education Program, "Preventing Sexual Harassment," Berkeley College. (January 15, 2014).

Global Education Conference, International Education and Resource Network (IEARN). (November 21, 2014).

Contracts and Grants

Machajewski, S. (Principal), "Faculty Scholarly Dissemination Grant, Getting comfortable with failure and vulnerability to facilitate learning and innovation in the game of school", Sponsored by Grand Valley State University, (May 8, 2017).

Machajewski, S. (Principal), "Faculty Learning Community Grant, Design Thinking in the Classroom", Sponsored by Grand Valley State University (May 6, 2017).

Machajewski, S. (Principal), "Faculty Learning Community Grant, Online & Hybrid Teaching Learning Community", Sponsored by Grand Valley State University (May 6, 2017).

Machajewski, S. (Principal), "Pew FTLC Sponsored Teaching and Learning Event Grant, Building inclusive university culture by gameful design of teaching" Sponsored by Grand Valley State University, (October 22, 2016).

Machajewski, S. (Principal), "Faculty Learning Community Grant, Increase Student Engagement in Your Classroom", Sponsored by Grand Valley State University (January 11, 2016).

Machajewski, S. (Principal), "Faculty Learning Community Grant, Design Thinking in the Classroom", Sponsored by Grand Valley State University (January 21, 2016).

Machajewski, S. (Principal), "AWS in Education Grant," Sponsored by Amazon Web Services, Private. (March 15, 2015).

Machajewski, S. (Principal), "Faculty Scholarly Dissemination Grant, Creating Csikszentmihalyi's Flow in Your Course for More Students", Sponsored by Grand Valley State University, (November 6, 2015).

Machajewski, S. (Principal), "Dissemination Grant, Meaningful Gamification of Classroom and Online Activities", Sponsored by Grand Valley State University. (October 16,

2014)

Machajewski, S. (Principal), "Dissemination Grant, Open Badges for Engagement and Retention - badges as mini-credentials for skills", Sponsored by Grand Valley State University. (October 30, 2013)

Machajewski, S. (Principal), "Michigan Program of Study - Web Design," Sponsored by Carl D. Perkins Career and Technical Education Improvement / State of Michigan, State. (June 1, 2010).

Machajewski, S. (Principal), "Internationalization of the Curriculum," Sponsored by Grand Rapids Community College, Local. (October 1, 2008).

Machajewski, S. (Principal), "Adoption of Red Hat Linux in Enterprise Computing," Sponsored by Grand Rapids Community College, Local. (November 1, 2007).