

Seth B. Mayotte

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EDUCATION

- Doctor of Philosophy (PhD) Candidate (ABD)** *Expected date of graduation: Spring 2012*
Educational Psychology, Learning & Cognition and Educational Technology
Research Interests: Technology-enhanced Assessment & International Assessment
Minor: Political Psychology
University of Minnesota, Minneapolis, MN
- Summer University** Summer 2005
Ethnopolitics in Eurasia and the Middle East
Central European University, Budapest, Hungary
- Master of Arts** Fall 2003
Teaching/Education
MN State 5-12 Social Studies teaching licensure, 4.0 GPA
University of St. Thomas, Minneapolis, MN
- Bachelor of Arts** Spring 2002
Education and Instructional Technology, Minor in Psychology (Equivalent)
University of Minnesota, Minneapolis, MN
- Associate of Arts** 1995
Austin Community College, Austin, MN
- Emergency Medical Technician (EMT) training** 1995
Rochester Community College, Rochester, MN

ACADEMIC TEACHING EXPERIENCE

- Adjunct Instructor** of Information Technology 1998-2010
Minneapolis Community & Technical College, Minneapolis, MN
Taught approximately 110 semester credits. Courses taught:
- TCP/IP Implementation
 - Microcomputer System Maintenance
 - Data Communications
 - Intro to UNIX
 - Linux System Administration
 - Programming Logic and Design
 - Application Support
 - User Support and Resource Utilization
 - Firewall Implementation and Management
 - LAN Service & Support I
 - LAN Service & Support II
 - Microsoft Network Administration
 - A+ Certification Prep
 - Ethical Hacking & Network Defense
- Student Teacher** in Social Studies Fall 2003
Armstrong High School, Robbinsdale Area Schools, Robbinsdale, MN
Taught World Geography II and Psychology to 11th and 12th graders. Designed individual lessons and complete unit plans; implemented existing lesson and unit plans; participated in curriculum, departmental administration, and co-curricular functions. Communication experience with students, parents, faculty, and administration.
- Assistant Teacher** in Summer Walkabout Program Summer 1996
Minneapolis Public Schools
Develop, coordinate, and implement daily lesson plans aimed at providing reading, writing, and mathematics skills to elementary age students through community involvement projects.
- Independent Consulting & Contract work**
Community Center Computer Trainer (Adult Education), Minneapolis, MN 2000-present
Youth Anger Management Program (YAMP) Staff, Albert Lea, MN 1999

PROFESSIONAL EXPERIENCE

IT Systems Supervisor

1998-present

School of Statistics, *University of Minnesota*

Responsible for maintenance, upgrades and repairs of entire computer network. Manage IT staff and budget. Long range planning for integrating new technologies and maintaining technology resources. Expert at integrating technology into classroom education and training graduate research and teaching assistants in the use of technology to facilitate data analysis, communication and instruction.

Information Systems Manager

1996-1998

The Minnesota Daily, the newspaper of the *University of Minnesota*

The MN Daily's mission is to train student-employees by giving them hands-on professional experience. Responsibilities included: maintaining equipment; management; training and organizational development; and budgeting.

Independent Consulting & Contract work

1995-present

Web site design, maintenance, and needs assessment • NT/2000/XP/2003/2008 networking • Home computer consulting • PC Specialist • Technical Support Engineer • Editorial Production Crew Chief • Systems Analyst • Advertising Sales Account Executive • IT Security Consultant

TEACHING INTERESTS

Psychology - Qualified and interested in introducing students to the fascinating discipline of Psychology. Specific sub-disciplines of interest in the areas of Educational, Cognitive, and Political Psychology.

Curriculum & Assessment - Qualified and interested in teaching curriculum and assessment design courses in teacher education programs. Expert at integrating technology into schools and curriculum design.

Information Technology - Experience teaching networking, programming, and security courses at the Technical College level. Broad experience introducing primary and secondary school students and adult learners to technology.

Political Science - Qualified and interested in teaching courses in Political Science and Foreign Affairs.

RESEARCH INTERESTS & EXPERIENCE

Technology-enhanced Assessment –Technology can be used to improve the quality of assessments, not just the efficiency. Care needs to be given in how assessments are designed to ensure adequate measurement of depth of knowledge. Currently researching the use of simulations presented in an interactive online media as an assessment tool.

International Assessment practices – Assessments are conducted and used in very different ways around the globe. This not only complicates comparative measures of international education, but it can effect student performance and success. Currently involved in data analysis of the IEA (International Association for the Evaluation of Educational Achievement) Civic Education Study datasets.

School Data Network Services – Research/Design Associate for US Department of Education funded K-12 Assessment program, in coordination with CYBER Learning Corporation and the University of Minnesota.

TEACHING LICENSURES

- MN teaching licensure, grades 5-12, Social Studies, 2004.
- MnSCU part-time teaching licensure: Microcomputer Support Specialist.
- MnSCU part-time teaching licensure: Computer Operations.
- SCUBA Schools International (SSI) Dive Control Specialist (Assist. Instructor)
- American Red Cross CPR, AED, and First Aid Instructor

INFORMATION TECHNOLOGY CERTIFICATIONS

- *CompTIA* i-Net+ Certification, 2001.
- *CompTIA* Linux+ Certification, 2001.
- MCP (Microsoft Certified Prof.), 2000.
- *CompTIA* Network+ Certification, 2000.
- *CompTIA* A+ Certification, 1999.
- CNA (Certified Novell Admin.), 1998.

PROFESSIONAL CONTRIBUTIONS & PUBLICATIONS

- “Online Assessment”, contributed chapter for Encyclopedia of Cyber Behavior 2011
- “Online assessment of problem solving skills”, Journal: Computers in Human Behavior, Elsevier publishing 2010
- “Interactive Scenario-Based Assessment System (ISBAS): Concurrent Validity Study”, published online for the *Athens Institute for Education and Research (ATINER)* Annual Conference 2009
- “Interactive Scenario-Based Assessment System (ISBAS): Pilot Study”, published online for the *International Association for Educational Assessment* Annual Conference 2007
- “Using Computer-based Simulations to Assess Complex Knowledge and Skills”, published in conference journal of the *International Technology, Education and Development* Conference 2007
- “Identity, Image & Iraq” POL 8460 2005
- “Methods for Assessing Complex Knowledge and Skills” EPSY 8216 2005
- “Thinking critically about the use of Technology in the Classroom” EPSY 8905 2004
- “Reliability and Predictive Validity of the GRE in Graduate School Admissions” EPSY 5112 2003
- “Learner Characteristics in Teaching Technology” UC 3291-2 2001
- “The Challenge of accurately measuring procedural knowledge in both classroom and corporate settings” UC 3251 2000
- “Teaching Computer-related topics to Adults” UC 3251 1999

PRESENTATIONS

- International Association for Educational Assessment* Annual Conference 2007
“Interactive Scenario-Based Assessment System (ISBAS): Pilot Study”
- International Association for Technology, Education and Development* 2007
“Using Computer-based Simulations to Assess Complex Knowledge and Skills”, presented at the International Technology, Education and Development Conference; also served as session chair
- MN Council of Nonprofits* 2004
“2004 Nonprofits & Technology Conference: Technology from the Inside Out”
Invited Speaker, co-presented with Anastasia Dzenowagis, “Achieving Mission through Technology: Strategic Planning of Information Technology”

<i>Armstrong High School</i>	2004, 2005, 2006
Invited guest speaker, World Geography course, “Russian Culture”	
<i>Armstrong High School</i>	2004
Invited guest speaker, Parenting course, “Adoption”	

PROFESSIONAL MEMBERSHIPS

American Psychological Association (APA), Student Member
International Society of Political Psychology (ISPP), Student Member

INSTITUTIONAL SERVICE

<i>Minneapolis Community & Tech College</i>	1998-2010
Proposed and designed curriculum for 5 new courses presented to curriculum committee	
<i>University of Minnesota, School of Statistics</i>	1998-present
Computing committee member	
<i>Midwest Collegiate Cyber Defense Competition</i>	2007- 2010
MCTC Team Coach	

PROFESSIONAL ACTIVITIES

<i>International Association for Technology, Education and Development</i>	2007-2008
Scientific Advisory Board member	
<i>Minnesota Daily Alumni Association</i> , Board of Directors Member	2000-2005
<i>CompTIA</i> , Subject Matter Expert (SME)	2003
CTT+ (Certified Technical Trainer) revisions	
<i>CompTIA</i> , Subject Matter Expert (SME)	2001, 2004, 2005
Linux+ development & revisions	
<i>CompTIA</i> , Subject Matter Expert (SME)	2000
A+ revisions	
Editor, 2nd Edition of Instructor Text (published in-house only) for community college “Communicating About Sexuality”	1998

PUBLIC SERVICE & VOLUNTEER WORK

<i>Community Partners with Youth (CPY)</i>	2002-2011
Youth project coordinator and Webmaster	
<i>Habitat for Humanity</i>	2001, 2006, 2007
Volunteer on house-building projects & Katrina recovery efforts	
<i>Friends of Russian & Ukrainian Adoption (FRUA)</i>	2002-2011
Volunteer, Webmaster, and Board Member	
<i>The Aliveness Project</i>	1999-2006
Webmaster, IT support, and Adult Educator	
<i>Odyssey Charter School</i>	2005-2006
Computer Committee Member	

REFERENCES

Available upon request