

TIMOTHY P. OLSEN

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**OBJECTIVE:** Provide leadership for collaborative teams and dynamic programs serving diverse cultures and corporate goals through innovations in communications, technology and education.

**EXPERIENCE**

University of Wisconsin - Madison 1999 - 2008  
Geospatial Specialist, Environmental Remote Sensing Center

**Project Leadership** **2004 - 2008**

- Secured \$811K grant by the National Science Foundation targeting IT workforce development project MapTEACH: Mapping Technology Experiences with Alaska's Cultural Heritage
- Started up complex project engaging Wisconsin and Alaskan partners, connecting expertise in technologies, rural education, Alaskan geosciences and Native natural resources knowledge
- Communicated and collaborated by: pushing on-line video-conferencing, sharing web-based content knowledge and data sets, and working on-site from remote Alaska to Washington, DC
- Developed curriculum applying Geographic Information Systems (GIS), GPS and Remote Sensing to solve local problems while fulfilling educational and cultural goals of diverse Alaskan students
- Marketed project participation to rural Alaskan communities by showing how new technologies can document local expertise; resulting products were viewed in more than 1600 cities worldwide
- Initiated STORMS project to leverage crowdsourcing, shared media, geotagging, and social networking sites to create independent data sources for disaster response and management

**Information Technology Management** **2000 -2008**

- Facilitated research center IT workgroup to establish: clear communication between workstation users, content publishers, and IT specialists; web functionality, design and usability; network priorities; short term task analyses, enhanced system integrity, annual capital expenditures, and synched long-term planning to project funding cycles, personnel capacities and corporate goals
- Designed and developed web sites:
  - **MapTEACH:** geospatial tools, project news and career development designed to foster a globally competitive IT workforce; hosting now transferred to Alaska
  - **Tornado Track Remote Sensing:** remote sensing information for emergency response, management and public outreach; connects to WisconsinView satellite image data portal

*Tools: Dreamweaver and Adobe Suite, PHP, HTML, JavaScript, Google Maps API, Google Analytics, ESRI ArcExplorer and ArcGIS, GPS, Windows XP, Mac OSX, Linux environment*

**Professional Science Masters Degree Coordinator** **1999 - 2006**

- Marketed innovative graduate technology degree to mid-career professionals via web site, advertising in professional journals, conference presentations and exhibits, direct communication with potential participants, articles in trade publications, targeted opportunities for underserved populations, and activities coordinated nationally with the Sloan Foundation
- Advised 40 Masters Degree students from admissions through to geospatial tech employment
- Initiated private sector-University geospatial collaboration with UW Office of Corporate Relations

Peace Corps, Gaborone, Botswana & Windhoek, Namibia 1987 - 1991  
Deputy Director: Programming and Training Officer (National Security Clearance: Secret)

- Started up programming and training for first volunteers to enter newly independent Namibia
- Supervised team of four Associate Directors and 20 technical, cross cultural, language training and office staff from the U.S. and Botswana, for 2<sup>nd</sup> largest Peace Corps program worldwide (\$2.1M/yr)
- Completed annual performance reviews, wrote personal services contracts, enforced HR policies
- Planned, created curriculum and administrated pre-service and in-service trainings (\$600K/yr)
- Negotiated viable projects with ministries, local agencies, universities and embassies to support more than 750 volunteers working in Education, Business, Natural Resources, and Health
- Wrote emergency evacuation plans, completed U.S. Embassy Crisis Management course

Teachers College Columbia University, New York, New York 1986 - 1991  
Trainer

- Trained host country science teachers and Peace Corps Volunteers at workshops in Ghana, Malawi, Lesotho, Swaziland, The Gambia, and Cameroon to apply leading edge educational methods
- Lectured on cognitive science theory and modeled research-driven lessons for math and science

**Oxon Hill Science and Technology Magnet High School, Maryland 1985 - 1987**

**Science Teacher**

- Taught Advanced Placement Physics (calculus-based), Physics, Chemistry and Senior Research
- Developed new curriculum for Magnet School Program students and for Comprehensive Program students at large, desegregated school located on county border with southeast Washington, DC

**Mim Secondary School, Brong Ahafo Region, Ghana 1980 - 1982**

**Peace Corps Volunteer/Teacher**

- Led science department and taught Physics, Math and Chemistry
- Hosted Science Club and worked with students to start beekeeping micro-business ventures
- Represented Peace Corps at first Ghana National Beekeeping Conference, University of Science and Technology in Kumasi, constructed Kenya Top-Bar hive, captured bee swarms
- Trained new Peace Corps Volunteers in education, cultural adjustment, project development

**EDUCATION**

**Ph.D. Curriculum & Instruction 2000**

University of Wisconsin-Madison

**Ph.D. Minor: Environmental Monitoring -**

Remote Sensing and Geospatial Information  
Science and Technology

**B.S. Secondary Education (Physics) 1984**

University of Wisconsin-Madison

**B.A. Physics & Anthropology 1980**

Luther College, Decorah, Iowa

Year Abroad 1978 University of Nottingham, England

**AWARDS/ACCOMPLISHMENTS**

Emeritus Award, National Science Foundation ITEST (Information Technology Experiences for Students and Teachers) program

Merit Performance Award as Deputy Director, United States Peace Corps Botswana & Namibia

Most Creative Teacher Award (Oxon Hill High School student body vote)

Rookie of the Year (Oxon Hill High School staff vote)

Winter ascent, Coleman Glacier Headwall/North Face, Mount Baker, North Cascades

Successfully nominated Luther College Farm to National Register of Historic Places

National Merit Scholar

**CONTINUING PROFESSIONAL DEVELOPMENT**

Trademarks and Corporate Sponsorship, UW-Madison

Introduction to Intellectual Property Management, UW-Madison

How We Collaborate with Industry: Types of Relationships and Agreements, UW-Madison

E-Sponder Network, Wisconsin Emergency Management, Department of Military Affairs

**COMMUNITY SERVICE**

Tenney-Lapham Neighborhood Association President

Friends of the Yahara River Parkway

Interfaith Hospitality Network (temporary homeless shelters) Volunteer

Madison Metropolitan Elementary Schools Parent-Volunteer

Big Oak Child Care Inc. Board Member

**LANGUAGE EXPERIENCE**

Spanish, Ashanti Twi, French, Setswana, Italian, Norwegian

*References available on request*