CHRISTOPHER CHARLES WELLEN, B.Sc., M.Sc. Candidate

OBJECTIVES_____

Long Term: Professorship in Geographic Information Science (GIS), environmental modelling, and land use/land cover change.

Short Term: Phd in suburban land use/land cover change and phosphorus cycle.

EDUCATION_____

Master of Science: Geographic Information Systems   **2005-2008**
Department of Geography
McGill University, Montreal, Quebec
- Advisor: Dr. Renee Sieber
- Awards: GIScience Innovation Scholarship, entrance stipend, ESRI Scholarship award

Bachelor of Science: Water Environments and Ecosystems   **2000-2005**
McGill School of Environment
McGill University, Montreal, Quebec
Minor in Geographic Information Systems (GIS)

High School Diploma   **1996-2000**
Saint John's High School, Shrewsbury, MA
- AP Scholar with Honour
- PSAT/NMSQT National Merit Commended Student

ARTICLES AND PUBLICATIONS_____

Wellen, C. C. and R. E. Sieber. (2005) Growing Wemindji's Geographic Information Systems (GIS). User Needs Assessment of the Cree Community of Wemindji, Quebec. Montreal, QC. McGill University. 65pp.

Berryman, N., Burt, J., Fortier, J., Lotter, E., Mackay, B., Paquin, C., Quock, A., Stock, M., Teitelbaum, T., Wellen, C. (2004) Creating a Culturally Appropriate Protected Area in Paakumshumwaau, Old Factory, Wemindji, Quebec: Year 2. Unpublished project report for ENVR 401: Environmental Research.

PRESENTATIONS_____

Wellen, C. C. and R. E. Sieber. (2007) "Cree Oral History, Ontologies, and Web Maps." GIS Day. McGill University, Montreal, Canada. November 14.

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Wellen, C. C. (2007) "Cree Placenames Website." <u>Wemindji General Assembly</u>. August 29.

Wellen, C. C. and R. E. Sieber. (2007) "Indigenous Spatial Ontology Application." <u>American Association of Geographers Annual Conference</u>, San Francisco, CA, April 17.

Wellen, C. C. (2007) "Formalizing Cree Hydrography." <u>Knowing the Geographic</u>, Montreal, Qc, February 18, 2007

Sieber, R. E. and C.C. Wellen. (2006) "Participatory Indigenous Spatial Ontology." <u>GIScience 2006</u>, Munster, Germany, September 22.

Sieber, R. E. and C.C. Wellen. (2006) "Ontologies, Folksonomies, and the Cree." <u>American Association of Geographers Annual Conference</u>, Chicago, IL, March 15-18.

C. C. Wellen. (2006) "An Introduction to Spatial Ontologies" Invited Presentation for McGill University Course Geography 506: Advanced Geographic Information Science, presented in Montreal, Quebec, January 22nd, 2006.

C. C. Wellen. (2005) "An Introduction to Spatial Ontologies" Invited Presentation for McGill University Course Geography 201: Introduction to Geographic Information Systems, presented in Montreal, Quebec, November 24th, 2005.

WORK EXPERIENCE

Research Assistant   **January 2008 – Present**
Department of Geography,
McGill University, Montreal, QC
- Formalizing ontologies of historical geographical databases and biographical databases

Teaching Assistant   **Winter 2008**
Socioeconomic Applications of Geographic Information Systems
Department of Geography,
McGill University, Montreal, QC
- Taught GIS tutorials on subjects such as 3D modelling and shortest path
- Graded assignments

Research Assistant   **Fall 2007-Winter 2008**
GIS Technician
Department of Geography,
McGill University, Montreal, QC
- Database Construction
- Data Entry

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- Cartography

Teaching Assistant   **Fall 2007**
Introduction to Geographic Information Science
Department of Geography,
McGill University, Montreal, QC
- Taught GIS tutorials on subjects such as cartography and overlay analysis
- Graded assignments
- Invigilated examinations

Research Assistant   **Winter 2007**
Department of Geography,
McGill University, Montreal, QC
- Organized GIS and aboriginal peoples conference in Montreal, Qc.

Teaching Assistant   **Winter 2007**
Socioeconomic Applications of GIS
Department of Geography,
McGill University, Montreal, QC
- Taught GIS tutorials on subjects such as 3d modeling and analysis of census data
- Created assignment on relational databases

GIS and Web Technician   **Winter and Spring 2006**
Walter Hitschfeld Geographic Information Center,
McGill University, Montreal, QC
- Automated GIS data management
- Managed GIS data remotely
- Created HTML web pages

Teaching Assistant   **Winter 2006**
Socioeconomic Applications of GIS
Department of Geography,
McGill University, Montreal, QC
- Taught GIS tutorials on subjects such as 3d modeling and analysis of census data
- Graded papers and assignments

Teaching Assistant   **Fall 2005**
Introduction to Geographic Information Science
Department of Geography,
McGill University, Montreal, QC
- Taught GIS tutorials on subjects such as cartography and overlay analysis
- Graded assignments

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- Invigilated examinations

Research Assistant   **Summer 2005**
Department of Geography,
McGill University, Montreal, QC
- Performed GIS User Needs Assessment for supervisor's grant
- Located GIS data sources for supervisor
- Synthesized metadata template for research group from disparate standards (e.g. Dublin Core, FGDC, RDF)

Library Clerk   **Winter and Spring 2005**
Walter Hitschfeld Geographic Information Center,
McGill University, Montreal, QC
- Check out, return, inventory and shelf books and maps
- Routine GIS/data management tasks

VOLUNTEER EXPERIENCE / EXTRACURRICULAR ACTIVITIES_____

Science Fair Judge   **Winter 2008**
Montreal, QC
- Villa-Maria Academy
- Royal West Academy

Kids Club   **2001 – 2004**
Montreal, QC
- Informal Church service for children in Little Burgundy
- Supervised children
- Managed sound equipment
- Occasionally played guitar

Emergency Medical Technician - Basic   **Spring 2004**
Northeastern University Institute for EMS, Burlington, MA

Tyndale After School Program   **Winter 2001, Fall 2003**
Montreal, QC
- Tutored elementary school students with homework, primarily math and science
- Students primarily from Roslyn, Westmount Park

Big Buddies Tutoring Program   **2002**
McGill University, Montreal, QC
- Tutored Westmount High students

References available on request.

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