

Wesley Andreas B.E.S.

M.A. Candidate

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SKILLS SUMMARY

- Work experience and academic background in urban growth strategies, urban transit and land use planning, Canadian intra- and inter-urban change, mid-sized cities, and downtown revitalization.
 - Language skills in intermediate-level French and introductory German.
 - Technical skills in ArcView, ArcGIS, IDRISI, MapInfo, PageMaker, Word, Excel, Access, PowerPoint, and SPSS.
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WORK EXPERIENCE

- **Teaching Assistant in Quantitative Methods**, University of Calgary, Dept. of Geography, Calgary, AB (Sept. - Dec. 2003).
Instructed and supervised approximately 70 students in a two-hour weekly computer lab session for an undergraduate course in statistics (Geography 339); answered questions and tutored students one-on-one in the lab and during scheduled office hours; assessed and graded five statistics-based assignments submitted by the students over the academic term.
- **Logistics Co-ordinator**, University of Waterloo Community-University Research Alliance (CURA), Kitchener, ON (May - Aug. 2003).
Developed a comprehensive database of the five Waterloo Region downtown core areas through research work and community/municipal liaison; manipulated and geocoded census data using Excel and MapInfo; maintained the daily operations of the CURA office (the Centre for Core Area Research & Design) in Downtown Kitchener (this included public greetings and information requests, resource library setup and operation, assistance with budgets and administration, publication of newsletters and public information documents, co-ordination of volunteers, and contact with building tenants and owners).
- **Student Planning Assistant**, Planning, Housing and Community Services, Regional Municipality of Waterloo, Kitchener, ON (Jan. - Apr. & Sept. - Dec. 2002).
Assisted with several related projects: Waterloo Region Light Rapid Transit proposal, Regional Growth Management Strategy, and Central Transit Corridor Supportive Land Use Study (this involved minute-taking for weekly and monthly meetings; Access database creation/maintenance for literature review and for community stakeholder consultation; initial implementation, technical operations and maintenance of a downtown research office for the regional planning department; preparation/design of presentation materials for the light rail proposal and growth management; and research and GIS analysis of land use around transit).
- **Researcher/Consultant**, University of Waterloo Community-University Research Alliance (CURA), Kitchener, ON (May - July 2002).
Conducted applied research for the Region of Waterloo and University of Waterloo's Central Transit Corridor Supportive Land Use Study (this involved providing technical and background assistance to graduate research assistants and co-op students).
- **Digital Image Archivist/Data Analyst**, Environment Canada - Canadian Ice Service, Ottawa, ON (May - Aug. 2001).

Maintained a daily archive of digital imagery of ice cover over Northern Canada (RADARSAT, NOAA) and a GIS-based system for data retrieval; collected data for ice-related field projects; analyzed output and compared various data sources for iceberg target detection.

- **Research Assistant**, National Defence - Emergency Preparedness Canada - Directorate of Research and Development, Ottawa, ON (Sept. - Dec. 2000).

Independently performed testing procedures and revised the user's guide for the in-house NHEMATIS software, used to model natural hazard risk and damage (exclusively done in a GIS-based environment); prepared a report concerning software functionality in a variety of real world environments.

- **Product Developer**, Environment Canada - Canadian Ice Service, Ottawa, ON (Jan. - Apr. 2000).

Received and accounted for satellite imagery of the Canadian Arctic; worked with image software (ERDAS Imagine 8.3.1, ISIS 2.0) in both UNIX and NT; performed manual geometric correction of images and mosaic production for the 2000 Annual Arctic Ice Atlas; revised the mosaic procedures manual; analyzed ten years of ice atlas data for climate change.

EDUCATION

- Candidate for **Master of Arts**, Geography, University of Calgary, Calgary, AB (2003-05).
- **Bachelor of Environmental Studies** in Honours Geography (specialization in Urban-Economic and Community Development, Psychology minor), Co-operative Program, University of Waterloo, Waterloo, ON (2003).
- Summer Language Bursary Program (French as a Second Language), College Saint-Charles-Garnier, Quebec, QC (1998).

RECENT HONOURS, AWARDS & RESEARCH GRANTS

- CN Graduate Scholarship in Transportation (2004-05).
- Province of Alberta Graduate Scholarship (2004-05).
- Canadian Transportation Research Forum - Canadian Pacific Railway Scholarship (2004-05).
- University of Calgary Dean's Research Excellence Award (2004).
- Canada Graduate Scholarship - Master's (Social Sciences and Humanities Research Council of Canada, SSHRC) (2003-04).
- University of Waterloo Alumni Gold Medal, for highest average of graduates in the Faculty of Environmental Studies (2003).
- Distinguished Academic Achievement Award for Geography, University of Waterloo (2003).

COMMUNITY INVOLVEMENT

- Member (and past treasurer), Friends of Windsor Archives, Windsor, ON (1997-2002).
- Student Representative, Sandwich Environmental Projects Steering Committee, Sandwich Community Health Centre, Windsor, ON (1995-96).

PROFESSIONAL ACTIVITIES

- Student Member, Canadian Association of Geographers (CAG)
- Student Member, Canadian Transportation Research Forum (CTRF)
- Student Affiliate Member, Canadian Urban Transit Association (CUTA)