

BEV WILSON

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EDUCATION

Present	Doctoral Student, Dept. of City & Regional Planning	UNC-Chapel Hill
2002	Master of Regional Planning, Dept. of City & Regional Planning	UNC-Chapel Hill
1997	B.A., Political Science and Economics	Duke University

AWARDS & FELLOWSHIPS

2004-2009	The Joseph E. Pogue Fellowship	UNC-Chapel Hill
2002	AICP Outstanding Planning Student Award	American Institute of Certified Planners
2000	The Charles and Shirley Weiss Urban Livability Fellowship	UNC-Chapel Hill
1996	The George G. Allen Scholarship	Duke University
1995-1996	Dean's List	Duke University

RESEARCH INTERESTS

Land use planning, LULC change modeling, GIS & remote sensing, growth management.

TEACHING EXPERIENCE

Fall 2006	Land Use Modeling (co-instructor)	Dept. of City & Regional Planning, UNC-CH
Fall 2006	Urban Spatial Structure (PLAN 714) Teaching Assistant	Dept. of City & Regional Planning, UNC-CH
Spring 2006	Exploring Spatial Statistics and Autocorrelation with ArcGIS	Odum Institute, UNC-CH
Spring 2006, Spring 2005	Guest Lecture (Remote Sensing), Advanced GIS (PLAN 247)	Dept. of City & Regional Planning, UNC-CH
2001	Development Impact Assessment (PLAN 245) Teaching Assistant	Dept. of City & Regional Planning, UNC-CH

EMPLOYMENT

- Fall 2006- Department of City & Regional Planning UNC-CH
Co-Instructor
Led 1.5 credit hour course on land use modeling with Ecology doctoral student. Term projects included applying logistic regression at the parcel level and SLEUTH to spatial and demographic data for Macon County, NC.
- Fall 2006- Department of City & Regional Planning UNC-CH
Teaching Assistant
Provided general course support for Master's curriculum core course. Presented lecture on land use models and introductory GIS training. Held recitations, revised and administered assignments.
- 2005-2006 Department of City & Regional Planning UNC-CH
Research Assistant
Coded and executed Python scripts to extract information from spatial datasets. Performed factor and cluster analyses. Interpreted and presented results.
- Fall 2005- The Odum Institute UNC-CH
Lab Consultant
Provided GIS and statistics consulting to users of computer labs at the Odum Institute.
- Summer 2005 Department of City & Regional Planning, UNC-CH
Department of Geography
Research Assistant
Collected, reviewed, and rated materials that will provide the basis of a graduate course on urban modeling. Generated a classified LULC dataset from each of ten Landsat satellite images. Collected and formatted hydrologic data for the study area.
- 2002-2004 Coastal Remote Sensing Program NOAA Coastal Services Center
Charleston, SC
Spatial Analyst
Produced various map products and GIS datasets. Gained experience with GIS software, spatial analysis techniques, and 3D visualization. Participated in the development of a decision support tool and outreach materials, which incorporate GIS and remote sensing technologies, for managing coastal resources.

2001-2002 Smart Growth and the New Economy Program Center for Urban & Regional Studies, UNC-CH

Research Assistant

Collected, analyzed and synthesized data for two major projects, one exploring the impacts of growth and sprawl in NC and the other, a regional report card for the Research Triangle Park. Duties included creating thematic maps from GIS datasets, designing and administering online surveys, creating and making presentations, and co-authoring draft and final project reports

2002 Green Infrastructure Workshop Dept. of City & Regional Planning. UNC-CH

Participant

In partnership with The Conservation Fund, local governments, and a small group of graduate students, created *Linking Natural and Historic Assets: Green Infrastructure As Economic Development in Lenoir County, NC*. This document presents a plan for harnessing local natural and historic resources to boost tourism and stimulate economic activity. Completed all GIS analysis for project, edited the final report, and participated in presentation of the results to local officials in Lenoir County, NC.

2000-2001 Department of City & Regional Planning UNC-CH

Research/Teaching Assistant

Assisted with community planning and natural hazards mitigation research. Performed data coding and analysis and developed faculty and course web pages. As teaching assistant for Development Impact Assessment, a graduate-level course, led weekly lab exercises, graded assignments, and provided general course support.

1998-2000 Keane, Inc. Research Triangle Park, NC

Programmer/Analyst

Tested computer systems for Year 2000 compliance, managed large databases, and developed code for mainframe and web environments.

PAPERS

2003 The Impacts of Growth and Sprawl in North Carolina. Center for Urban and Regional Studies, UNC-Chapel Hill.

2002 A Watershed Assessment and Planning Manual. Master's Paper. Dept. of City & Regional Planning, UNC-Chapel Hill.

SERVICE

Spring 2006	Doctoral Admissions Committee, Student Representative	Dept. of City & Regional Planning, UNC-CH
Spring 2005	Doctoral Admissions Committee, Student Representative	Dept. of City & Regional Planning, UNC-CH
2004-2005	PhD. Student Representative (Faculty Meetings, etc.)	Dept. of City & Regional Planning, UNC-CH
2002-2003	Volunteer	Macon Tomorrow, Grassroots Land Use Planning Advocacy Organization
2002	Curriculum Committee, Student Representative	Dept. of City & Regional Planning, UNC-CH

SPECIALIZED TRAINING

March 2006	Agent-Based Modeling with Repast	Carolina Population Center
April 2003	Facilitating with Ease	NOAA Coastal Services Center
March 2003	Visualization for Business Professionals	3D Nature, LLC.
March 2003	Coastal Applications Using ArcGIS	NOAA Coastal Services Center
Jan. 2003	Remote Sensing for Spatial Analysts	NOAA Coastal Services Center
Jan. 2003	Introduction to ArcGIS	NOAA Coastal Services Center
Oct. 2003	Introduction to Remote Sensing	NOAA Coastal Services Center
2002	Balancing Nature and Commerce in Gateway Communities	The Conservation Fund
2001	GIS for Planners	Dept. of City & Regional Planning, UNC-CH
1998	Accelerated Software Migration Program	Keane, Inc.

SOFTWARE

Adobe GoLive, ArcGIS, ArcView, ArcInfo, IMAGINE, IPW, Microsoft Office Suite, SPSS, Stata, Visual Nature Studio

PROGRAMMING LANGUAGES

VBA for ArcGIS, ARC Macro Language, Avenue, Python, C, HTML