

Philip M. Hurvitz

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## Employment Experience

Research Assistant

Urban Form Lab, [College of Architecture and Urban Planning](#), [University of Washington](#), Seattle, Washington

October, 2004-Present

I am currently a PhD student in the Interdisciplinary Program in Urban Design and Planning at UW-CAUP. Duties include research on the relationship between urban form and health-related behaviors.

Supervisor: Professor [Anne Vernez Moudon](#) ([moudon@u.washington.edu](mailto:moudon@u.washington.edu))

410 Gould Hall, Box 355740, University of Washington

Seattle, Washington 98195-5740

206.543.5996

Geographic Information Systems Specialist

[College of Forest Resources](#), [University of Washington](#), Seattle, Washington

July, 1997-December, 2004

Main duty: to coordinate and expand GIS-related activities within the College, and to provide GIS technical and administrative support for students, staff, and faculty. Other responsibilities: developing and teaching natural resource GIS courses within the College, administering the College GIS lab, advising the College on integrating GIS into coursework and curricula, as well as giving general advice on GIS-related hardware and software issues. Beyond these functions, I managed several GIS-related mailing lists for GIS technical and administrative support for the College and the UW in general. I provided support and management of the Washington State National Spatial Data Infrastructure (NSDI) site, in conjunction with UW Libraries.

Supervisor:

Rick Gustafson ([pulp@u.washington.edu](mailto:pulp@u.washington.edu))

[College of Forest Resources](#), Box 352100, [University of Washington](#)

Seattle, Washington 98195-2100

206.685.7822

Geographic Information Systems Technician

City of SeaTac, Washington

July, 1996-June, 1997

As GIS Technician at the City of SeaTac, I was responsible for all technical aspects of developing and supporting a newly-forming GIS for the municipality. The GIS is being developed to support city-wide functions, including current and long-range planning, engineering and public works, fire and emergency management, finance, building, municipal court, and human resources. My duties were focused on: the creation and maintenance of data sets; production of standard and custom cartographic products; hardware and software management; UNIX system administration; providing technical expertise and guidance for other city employees; and leading in GIS training for staff. The GIS is framed in an ARC/INFO (7.0.4) and Sun Solaris (2.5) environment, with other functions (e.g., ArcView, word processing, spreadsheets) performed in a Novell (4.0) and Windows '95 environment.

Supervisor:

Greg Stought ([gregs@seatac.wa.gov](mailto:gregs@seatac.wa.gov))

City of SeaTac

17900 International Blvd., Suite 401

SeaTac, WA 98188

(206) 241-9100

Geographic Information Systems Coordinator

[College of Forest Resources University of Washington Pack Experimental Forest](#)

Eatonville, WA

July, 1994-July, 1996

As GIS Coordinator at Pack Forest, I was responsible for all aspects of building and maintaining a PC and Solaris UNIX-based ARC/INFO GIS from the ground up. I began the project by acquiring analog and digital data from other agencies (e.g., WA Department of Natural Resources, WA Department of Wildlife, USGS, US Fish and Wildlife Service, MOSS, ASCII, DXF, DWG). I spent considerable effort on this project converting analog geographic data to digital format, updating, correcting and customizing data content and structure, managing the GIS database, creating cartographic products, and conducting geographic analysis. In addition to managing the GIS database, I was also responsible for the management and analysis of the forest inventory database, as well as general PC and GPS operations, and the Pack Forest World Wide Web site.

Supervisor:

Stan Humann (humann@u.washington.edu)

Charles L. Pack Experimental Forest

9010 453rd Street East

Eatonville, WA 98328

206.685.4485 ext. 211

GIS Instructor

[Green River Community College](#)

Auburn, WA

September, 1994-June, 1996

For 2 years, starting in autumn of 1994, I was employed as an instructor in the GIS technical program at Green River CC. I was responsible for teaching three courses. The first course is the second in the series of introduction to GIS, in which the ESRI Workbook Understanding GIS, along with real world data sets, is used to demonstrate the fundamentals of ARC/INFO GIS analysis and presentation. The second course covers an introduction to the UNIX operating system (basic and intermediate commands, file structures, file transfers, text utilities, etc.) as well as the ARC/INFO modules GRID, TIN, and some AML programming. The course focuses on natural resource applications and surface modeling using real world data sets, as well as documenting spatial analyses with maps created with ArcPlot, and reports created using word processors and spreadsheets. Because no textbooks exist specifically for GRID and TIN, I have prepared detailed lecture notes and lesson notes that cover both the theoretical and practical course content. The third course is an AML intensive, in which the ESRI AML Self-Study Workbook is covered in its entirety. In addition to instructing these courses, I was involved in strategic planning for curriculum and program development.

Supervisor:

Alex Roberts

Dean of Academic Instruction

Green River Community College

Auburn, WA 98092-3699

(206) 464-6133 ext. 414.

Watershed Resources Technician

Seattle Water Department (Cedar River Watershed)

Cedar Falls, WA

November, 1994-July, 1995

My responsibilities as a temporary GIS analyst at the Cedar River Watershed included mainly GIS analysis and cartography, including query, display, and generation of complex spatial data sets. I provided the planners and resource managers with high-quality maps as well as data summaries and reports. Most of the work was related to the development of a habitat conservation plan and an aquatic monitoring plan. ARC/INFO functions were performed using Arc, ArcPlot, ArcEdit, GRID, INFO, and Tables, entirely within an AML framework. The Cedar River Watershed's GIS is stored in ARC/INFO on a SunOS UNIX platform, with ancillary functions and documentation accomplished using Microsoft Windows applications.

Supervisor:

Donna Hawley (donna.hawley@ci.seattle.wa.us)

Seattle Water Department, Watersheds and Environmental Services

19901 Cedar Falls Rd. SE  
North Bend, WA 98045  
(206) 233-1561.

Geographic Information Systems Analyst  
Makah Forestry  
Neah Bay, WA  
1993-94

The work I did as a volunteer at Makah Forestry was done in conjunction with my master's degree research project. The project included evaluation of the Makah Tribe's GIS, spatial database development and management, cartography, and spatial analysis. Much of the project was devoted to providing examples of how a GIS can be used for multi-purpose land records management and analysis, in addition to training a GIS technician in the Tribal Forestry Office. The Makah GIS is maintained in a SunOS UNIX and ARC/INFO environment. I conducted spatial data management and analyses using the ARC/INFO modules ArcEdit, ArcPlot, GRID, TIN, and AML, as well as PC ArcView.

Supervisor:  
Michael Dukes  
Makah Forestry Enterprise  
P.O. Box 116, Neah Bay, WA 98357  
(360) 645-2229.

Owner/Operator  
SPOT Fine Pastries  
Seattle, WA  
1986-87

My previous career in the food service industry culminated with a few years as a sole proprietor of a wholesale pastry business, delivering custom dessert products to Seattle-area restaurants. As a one-man show, I was responsible for all aspects of the business: purchasing, sales, marketing, baking, delivery, product development, and bookkeeping. My desire to enter a more intellectually challenging field ultimately led me to pursue an education in natural resource management, and ultimately, to the wide world of GIS.

## Education

1991-94, University of Washington, Seattle, WA. Master of Forest Resources, 1994  
1980-83, Seattle University, Seattle, WA. BA, Humanities, magna cum laude, 1983  
1977-80, Seattle Preparatory School, Seattle, WA. Graduated, 1980

## Publications

Marzluff JM, Millspaugh JJ, Hurvitz P, Handcock MS. [Relating resources to a probabilistic measure of space use: forest fragments and Steller's Jays](#). ECOLOGY 85 (5): 1411-1427 MAY 2004

## Presentations

Hurvitz P. 2005. The Walkable-Bikeable Communities Analyst Extension for Arcview 3.x. 25<sup>th</sup> Annual International ESRI User Group Conference  
Hurvitz P. 2001. [Site license automation tools at the University of Washington](#). 21<sup>st</sup> Annual International ESRI User Group Conference  
Hurvitz P. 2000. [Securing UNIX servers with the secure shell \(SSH\)](#). 20<sup>th</sup> Annual International ESRI User Group Conference  
Hurvitz P. 1998. [Setting up an NSDI node server](#). 13<sup>th</sup> Annual Northwest ESRI User Group Conference  
Hurvitz P, Scarey M. 1997. [Estimating municipal land capacity: a parcel-based approach](#). 12<sup>th</sup> Annual Northwest ESRI User Group Conference

## **Honors and Awards**

Hall-Ammerer-WRF Graduate Fellowship, 2004-2005  
Byron and Alice Lockwood Fellowship, UW-CFR, 1991-1992

## **Memberships**

President, Alpha Chapter of Xi Sigma Pi (Forestry Honor Society), 2004-2005  
Trustee, College of Forest Resources Alumni Board, 2001-  
Society of American Foresters, 2000-2003