

## SUMMARY

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Interdisciplinary academic and professional experience in urban and environmental planning, policy analysis, design, and community organizing. Advanced computer, research, and communication skills.

## EDUCATION

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**2004 - 2007** University of Maryland, College Park, MD  
Graduate Masters of Science in Sustainable Development and Conservation Biology  
Masters of Public Policy, Environmental Policy  
GPA: 3.9/4.0

**1999 - 2003** University of Virginia, Charlottesville, VA  
Undergraduate Bachelors of Urban and Environmental Planning, with High Honors  
Double minor in Architecture and Environmental Science  
GPA: 3.9/4.0 • Class Rank: 2/127

## WORK EXPERIENCE

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**2007 - 2008** USDA Forest Service, Washington DC ([www.fs.fed.us/ucf](http://www.fs.fed.us/ucf))  
July-present *Presidential Management Fellow/Natural Resource Specialist*. Support activities within the Cooperative Forestry and Urban & Community Forestry Programs, primarily green infrastructure, smart growth, climate change, and water quality.

**2007 - 2008** Casey Trees Endowment, Washington DC ([www.caseytrees.org](http://www.caseytrees.org))  
Jan-present *Program assistant*. Develop an interactive website using ArcGIS and Google Earth to support the DC Green Infrastructure Collaborative. Encourage streamlined data sharing among DC and regional governments and environmental organizations.

**2006 - 2007** Center for Integrative Environmental Research (CIER), University of MD, College Park, MD ([www.cier.umd.edu](http://www.cier.umd.edu))  
Aug-May *Research Associate*. Conducted research, developed and maintained website, and assisted in event planning. Presented and published research activities focused on the economic impacts of climate change and adaptation strategies nationally and internationally.

**2005 - 2007** School of Public Policy, University of MD, College Park, MD  
Dec-May *Research Asst*. Initiated research related to urban systems and climate change. Edited two published volumes (Ruth, M., K. Donaghy and P. Kirshen. 2006. *Regional Climate Change and Variability: Impacts and Responses*; Ruth, M. 2006. *Smart Growth and Climate Change: Regional Development, Infrastructure and Adaptation*).

**2004 - 2007** EcoVentures International, Washington, DC ([www.eco-ventures.org](http://www.eco-ventures.org))  
Feb-May *Technology & Design Asst*. Web development and design for a DC non-profit focusing on youth education and environmental micro-enterprise development.

**2006** Department of Comprehensive Planning, Worcester County, MD  
Jun-Aug *Intern*. Developed a raster-based GIS suitability model in support of the county's green infrastructure planning initiatives. Researched Maryland and other state and local initiatives to develop the model and planning/policy recommendations.

**2005 - 2006** Conservation International, Washington, DC ([www.seaturtlestatus.org](http://www.seaturtlestatus.org))  
Jul-Feb *Intern*. Coordinated the development of a dynamic website for the first annual State of the World's Sea Turtles (SWoT) Report.

**2004, 2002** Ayers-Saint-Gross, Washington, DC / Baltimore, MD  
Jun-Aug *Intern*. Assisted with research, preparation, editing, and presentation of AutoCAD, written, and graphic documents for the campus (2002) and town planning (2004) studios.

**2003** Neighborhood Development Services, Charlottesville, VA  
Jan-May *Intern*. Conducted research, performed GIS analysis, and prepared graphic and written presentation materials for a newly-created housing policy task force.

## VOLUNTEER EXPERIENCE

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- 2005 - 2007 **Ecological Economics Student Group (EESG), University of Maryland ([www.publicpolicy.umd.edu/ecolecon](http://www.publicpolicy.umd.edu/ecolecon))**  
Aug-May *President*. Organize and facilitate a weekly Environmental Policy Roundtable seminar series regularly attended by 20-30 students and faculty. Created and maintain the group's website, online calendar, and online planning spreadsheets.
- 2005 - 2007 **Graduate Women in Public Policy (GWIPP), University of Maryland ([www.publicpolicy.umd.edu/GWIPPWEB](http://www.publicpolicy.umd.edu/GWIPPWEB))**  
Aug-May *President/Vice President*. Facilitate regular meetings, social events and professional development programs. Manage group website, write for, design, and edit a monthly e-newsletter. Manage our growing student, alumnae and faculty membership.
- 2005 - 2007 **Citizen Science, SustainUS, Washington, DC ([www.sustainus.org](http://www.sustainus.org))**  
Nov-May *Technical board*. Coordinated the 2006 science writing competition for youth affiliated with the Commission on Sustainable Development—managed publicity, submission and review processes. Served as a reviewer for the competition in 2005 and 2007.
- 2000 - 2003 **Student Environmental Action (SEA), University of Virginia**  
Aug-May *President*. Organized regular meetings and events with students, faculty and city residents, including a community forum with City Council candidates in Fall 2003 and an annual Local Trade Fair in celebration of Earth Day.

## ACADEMIC PUBLICATIONS

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- Dec 2007 Ruth, M. and D. Coelho, 2007, "Understanding and managing the complexity of urban systems under climate change", *Climate Policy* (7), pp. 317-376.

## CONFERENCE PRESENTATIONS

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- Dec 2007 **Alabama Forestry Commission Green Infrastructure Workshop, Montgomery, Alabama, USA**  
Green Infrastructure Network Design Using examples from the Maryland Green Infrastructure Assessment
- Jun 2007 **US Society for Ecological Economics 4th Biennial Conference, New York City, New York, USA**  
Confronting a False Assumption: Economic Growth as a Public Good
- Jul 2006 **Sustainable City IV, Tallinn, Estonia**  
Seeking a Unified Urban Systems Theory
- Jul 2005 **Society for Conservation Biology, Brasilia, Brazil**  
Spatial Designation of Conservation Priorities for Golden Lion Tamarins (*Leontopithecus rosalia*) in the Atlantic Forest of Rio de Janeiro

## PROFESSIONAL SOCIETY MEMBERSHIPS

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American Association of University Women (AAUW) • Ecological Society of America (ESA), Mid-Atlantic Chapter • Forest Service Employees for Environmental Ethics (FSEEE) • International Society for Ecological Economics (ISEE) • Society for Conservation Biology (SCB), Policy Committee, Ecological Economics and Sustainability Science Working Group, Social Science Working Group • US Society for Ecological Economics (USSEE)

## AWARDS RECEIVED

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Graduate Student Service Award • Goldhaber Travel Award • UMD and UVA academic fellowships • AICP Undergraduate Planning Student Award

## TECHNICAL SKILLS

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Windows/Macintosh • Microsoft Office Suite • ArcGIS • Google Earth • DreamWeaver • Adobe Photoshop • PageMaker • Acrobat Professional • SPSS • STATA • STELLA • Digital/35mm photography

## LANGUAGES

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English (native) • Spanish (basic reading, writing, and conversation)