

# Ryan L. Burns

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## Education

- 2009-present Ph.D. Geography  
University of Washington  
Committee: Sarah Elwood, Mark Ellis, Vicky Lawson
- 2009 M.S. Geographic Information Science  
San Diego State University  
Committee: André Skupin, Stuart Aitken, Eniko Csomay (Linguistics)
- 2006 B.A. Geography, Magna Cum Laude  
Eastern Kentucky University  
Adviser: David Zurick

## Institutional Affiliations

- 2013 Oxford Internet Institute Summer Doctoral Programme (admitted)  
i-School, University of Toronto, Canada
- 2012-present Science and Technology Innovation Program (Intern)  
Woodrow Wilson International Center for Scholars, Washington, DC
- 2010-present Graduate Certificate in Public Scholarship  
Simpson Center for the Humanities, University of Washington  
Adviser: Phillip Thurtle (Comparative History of Ideas)
- 2011 Bergen Summer Research School  
University of Bergen, Norway

## Publications - Articles

- 2013 Burns, Ryan, A. Skupin. Towards Qualitative Geovisual Analytics: A Case Study Involving Places, People, and Mediated Experience. *Cartographica*. In press.
- 2013 Burns, Ryan, L. Shanley. Connecting Grassroots to Government for Disaster Management: Workshop Summary. Woodrow Wilson International Center for Scholars. In press.
- 2013 Shanley, Lea, R. Burns, Z. Bastian, E. Robson. Tweeting Up a Storm: The Promise and Perils of Crisis Mapping. *Photogrammetric Engineering & Remote Sensing*. In press.
- 2013 Burns, Ryan, D. Meek. "The Politics of Knowledge Production in the Geoweb." Special Issue of *ACME: An International E-Journal for Critical Geographies*. Accepted.

- 2012 Burns, Ryan. Connecting Grassroots to Government for Disaster Management. Woodrow Wilson International Center for Scholars. <http://bit.ly/OC4kmD> (last accessed 9/18/2012).
- 2009 Burns, Ryan, A. Skupin. Mapping Places, People, and Utterances to Visualize the Experience of Place. In Proceedings of the 24th International Cartographic Conference, Santiago, Chile (CD-ROM). <http://bit.ly/POhGuu> (last accessed 9/12/2012).

## **Publications - Maps**

- 2011 Collection of 5 maps/screenshots from the *Mapping Youth Journeys* project website. In K. Mitchell, S. Elwood, "Creating Engaged Students and Civic Actors through Mapping Local History," *Journal of Geography* 111(4): 148-157.
- 2010 [Collection of 6 maps about poverty in the Pacific Northwest] In V. Lawson, L. Jarosz and A. Bonds, "Dumping Grounds and Unseen Grounds: Placing Race, Ethnicity and Poverty in the American Northwest," *Annals of the Association of American Geographers* 100(3): 655-677.
- 2007 Map of Ecuador, Including the Extension of Páramo Grasslands and the Location of the Aglomerados, S.A. (ACOSA) Plantation. In K. Farley, "Grasslands to Tree Plantations: Forest Transition in the Andes of Ecuador," *Annals of the Association of American Geographers* 97(4): 760.

## **Research, Service, and Travel Funding**

- 2013 United Nations Office for the Coordination of Humanitarian Affairs: "Humanitarian Research and Innovation Grant" (\$4000)
- 2011-2012 Simpson Center for the Humanities Graduate Interest Group Funding (\$1,000)
- 2011 Simpson Center for the Humanities Travel Funds (\$750)
- 2011 Howard Martin Research Grant (\$556)
- 2011 UW Graduate School Fund for Excellence and Innovation (\$500)
- 2011 UW Graduate & Professional Student Senate Travel Fund (\$250)
- 2009 International Cartographic Association (ICA) Travel Scholarship (\$1,800)
- 2005 School for International Training – "Culture, Language, and Development in Vietnam" research scholarship (\$5,000)

## **Scholarships and Merit Awards**

- 2013 UW Graduate School Gerlach Award (~\$3,000)
- 2009 UW Geography Top Scholar Award (1 year of funding: ~\$9,000)
- 2009 Cartography & Geographic Information Society (CaGIS) Master's Award (\$500)
- 2007 SDSU McFarland Award (\$6,600)
- 2007 SDSU Map Design Competition winner (\$50)
- 2006 EKU Milos Sebor Scholarship (\$150)
- 2005 EKU Milos Sebor Scholarship (\$200)

2002-2006 President's List (4.0 GPA) once, and Dean's List (3.6 GPA) five times.

### **Teaching Experience – full courses**

2013 GEOG 102: "Introduction to World Regions"

2012 GEOG 461: "Urban GIS"

### **Teaching Experience – invited lectures**

2012 Guest lecture in GEOG 469/569: "GIS Workshop"

2012 Guest lecture in GEOG 461/561: "Urban GIS"

2010 "Participatory Mapping" Imagining America Site Visit

### **Service Positions Held**

2013-present Secretary and Treasurer of the GISS Specialty Group of the AAG

2012-2013 Student Representative of the GISS Specialty Group of the AAG

2008-2012 Webmaster and leadership collective, Socialist & Critical Geography Specialty Group of the AAG

2011-2012 Primary Project Liaison, "Making the University Public" Graduate Interest Group

2011-2012 Graduate Policy Committee Representative, Department of Geography, UW

2010-2011 Co-president (with Chris Lizotte) of the Geography Dept Graduate Student Association

2007-2008 SDSU Geography Colloquium Planning Committee

2002-2006 ECU Honors Program scholar

2002-2004 ECU Geography Club President once and Secretary twice

### **Professional Presentations – organized panels**

2013 "Whither Small Data?: The Limits of "Big Data" and the Value of "Small Data" Studies. Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Rob Kitchin, Jim Thatcher, Ralph Schroeder (Oxford Internet Institute, Oxford University), Taylor Shelton. Discussant: Andrés Monroy-Hernández (Microsoft Research).

2013 "Critical Interventions into Gender & the Geoweb." Organizer with Monica Stephens. Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrienne Wadewitz (Center of Digital Learning and Research, Occidental College).

2012 "Connecting Grassroots to Government for Disaster Management: A Policy Roundtable." Organizer with Lea Shanley, John Crowley, and Alyson Lyons. Washington, DC. For list of panelists, see: [http://www.wilsoncenter.org/sites/default/files/GrassrootstoGovernmentAgenda-9.9.12\\_0.pdf](http://www.wilsoncenter.org/sites/default/files/GrassrootstoGovernmentAgenda-9.9.12_0.pdf)

2011-2012 Series of 6 panels and roundtables on "Making the University Public", a Graduate Interest Group through the Simpson Center for the Humanities, UW. Seattle, WA. Panels included:

Susan Jeffords (Vice Chancellor for Academic Affairs, UW – Bothell), Kari Lerum (UW – Bothell), Tad Hirsch (Design, UW), Jentery Sayers (English, University of Victoria), John Vallier (UW Libraries), Richa Nagar (Department of Gender, Women, and Sexuality Studies, University of Minnesota).

- 2011 “Critical Perspectives on Software & Space.” Organizer with Joe Eckert. Annual meeting of the AAG. Seattle, WA. Presenting panelists: Mark Graham, Matt Zook, Rob Kitchin, Wendy Chun (Modern Culture and Media, Brown University). Chair: Sarah Elwood. Discussant: Matt Wilson.

## **Professional Presentations – papers presented**

- 2012 “Digital Public Scholarship: Mapping Youth Journeys.” College of Arts & Sciences Dean’s Showcase. *HuskyFest 2012*. Seattle, WA.
- 2012 “Beyond Inclusion and Empowerment: Inequality in the Geoweb.” Annual meeting of the AAG. New York, NY.
- 2011 “Software-sorted Geographies of the Urban Global South.” Annual meeting of the AAG. Seattle WA.
- 2010 Mitchell, K. & R. Burns [equal contribution] “Mapping Engagement: Using Basic Geovisualization Technologies to Help Children Become Better Geographers and Better Citizens.” Plenary session, Fall meeting of the Association of Washington Geographers.
- 2010 “‘Exploring Geovisualization’: Reflections, Ideas, and Questions.” Annual meeting of the AAG. Washington, D.C.
- 2009 “Visualization of Attribute Spaces Involving Places, People and Utterances.” International Cartographic Conference. Santiago, Chile.
- 2009 “Spatializing Places, People, and Utterances- A Case Study Involving San Diego Neighborhoods.” Annual meeting of the AAG. Las Vegas, NV.
- 2008 “Landscapes of Participatory Dialogue: Participation and Geovisualization in AgoraXchange.” Annual Meeting of the AAG. Boston, MA.
- 2008 Verutes, G., R. Burns “Visualizing Linguistic Variation within University Classroom Discourse.” Annual Meeting of the AAG. Boston, MA.
- 2007 “. . . things seen are temporal, things unseen are eternal.” Association of Pacific Coast Geographers. Long Beach, CA. Co-presenters: Christopher Moreno, Sean Crotty, Steven Jareb, Mike Beland, Jenny Duncan, Karen Stahl.
- 2006 “Globalization and the Cultural Significance of Bookstores in Viet Nam.” Undergraduate Presentation Showcase, Eastern Kentucky University. Poster presentation.
- 2005 “Is Small-town Kentucky Ready to Grow? Community Readiness for Growth and Development Along the I-75 Corridor.” Posters-at-the-Capitol, Frankfort, KY. Poster presentation. Co-presented with Ricardo Hernandez.

## **Professional Presentations – discussant**

- 2013 “Critical Interventions into Gender & the Geoweb.” Annual meeting of the AAG. Los Angeles, CA. Presenting panelists: Brent Hecht, Monica Stephens, Michele Masucci, Adrienne Wadewitz (Center of Digital Learning and Research, Occidental College).
- 2013 “Crowdsourcing Crisis in the GeoWeb: A Critical Look.” Annual meeting of the AAG. Los Angeles, CA. Organized by Barbara Poore and Sophia Liu. Presenters: Katrina Petersen (Communication, University of California – Santa Barbara), Andrés Monroy-Hernández (Microsoft Research), Megan Finn (Microsoft Research), Cameran Ashraf (University of California – Los Angeles).

## **Academic Research and GIS Experience**

- 2009-2012 Research Assistant: Dr. Sarah Elwood, *Mapping Youth Journeys*
- 2009-2010 Assistant: Dr. Katharyne Mitchell, *Top This Parenting*
- 2007-2008 SDSU Geography Teaching Assistant: Dr. André Skupin, taught *Intro to GIS* (twice), *Map Investigation*, and *Animated Cartographic Design*
- 2006-2007 SDSU Geography Graduate Assistant: Dr. Kathleen Farley
- 2005 Volunteer Assistant: Dr. Dan Weir, mapping a derelict cemetery for future renovation and restoration. My particular involvement was to map the gathered GPS coordinates.
- 2003-2006 Assistant: Dr. David Zurick, researching culture change in the Himalayas based on US-based travel agencies there.
- 2003-2006 Assistant: Dr. Bruce Davis, producing an online atlas of the South Pacific using ArcScan and ArcIMS.
- 2005 Independent study in Viet Nam. Used MapInfo and ArcMap to map bookstores in Ho Chi Minh City. I combined this with 30 interviews, delving into bookstores’ cultural significance to Viet Nam.
- 2005 Senior thesis, expanding on the independent study, but focusing on how cultural globalization is affecting the influence of bookstores in Viet Nam. Presented at ECU in December, 2005.

## **Mentions in Press**

- 2012 “Doctoral Student Ryan Burns Selected to Present on Digital Scholarship at UW HuskyFest 2012.” *Simpson Center for the Humanities Center News*. Retrieved 4/22/2012 from <http://bit.ly/HUCIQS>.
- 2012 “UW Leads in Connecting Scholarship with Community.” *UW Today*. Retrieved 4/22/2012 from <http://bit.ly/yQ77sX>.
- 2011 “Certificate in Public Scholarship Fellows Represent UW at Imagining America Conference.” *Simpson Center for the Humanities Center News*. Retrieved 4/22/2012 from <http://bit.ly/IgG6bl>.
- 2005 “Researchers Hope to Map, Identify Graves in Abandoned Cemetery.” *Diverse Issues in Higher Education*. Retrieved 4/22/2012 from <http://bit.ly/Jx7d2h>.

## Honorary and Professional Memberships Held

### *Present:*

Standby Task Force (SBTF)

Association of American Geographers (AAG)

Gamma Theta Upsilon (international geographic honorary society).

### *Past:*

2007-2009 Association for Computing Machinery (ACM)

2007-2008 Association of Pacific Coast Geographers (APCG)

2004-2005 Association for Asian Studies (AAS)

2003-2004 Southeast Division of the AAG (SEDAAG)

## Peer Reviews Provided

*Geography Compass*

*Plenum: A Journal of Geography* (x2)

*International Journal of Applied Geospatial Research*

*US National Report to the International Cartographic Association*

## Non-Academic Work Experience

- GIS Specialist (August 2008-July 2009), Helix Environmental Planning, Inc.

Summary of Duties: Creating high-quality environmental, engineering, and governmental maps for a variety of clients. Providing spatial analysis related to transportation planning, construction engineering, sensitive/endangered species protection, wetland mitigation, and environmental monitoring. Utilizing advanced editing techniques, complex cartographic principles, and various software programs. CEQA & NEPA report generation.

- GIS Analyst/Cartographer (July 2007-August 2007), Baja Directions

Summary of Duties: Creating, maintaining, and updating bathymetric and recreational maps; creating and maintaining large geographic databases; handling large raster and vector datasets. Temporary position.

- GIS Analyst (July 2006-January 2007), IGIS Technologies, Inc.

Summary of Duties: Project manager for BIA in Alaska, editing, attributing, and digitizing land parcels from development plats; textbook editing; writing chapters of a new textbook on ArcMap 9.2. Textbook writing and editing required exhaustive knowledge of geodatabases, ArcCatalog, ArcToolbox, and ModelBuilder, as well as excellent writing and communication skills.

- GIS Intern (February 2006-June 2006), City of Berea, KY

Summary of duties: Update city maps; GPS gathering of new data; analysis of land use data through AutoCAD, GeoSync (local GIS software), and Excel; other GIS work using AutoCAD Map and other GeoSync/GIS software.

Personal references available upon request.