

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.

Leadership 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

Teaching Experience – full courses

- 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

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
- 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).

Awards and Achievements

- 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 Grant (\$556)
- 2011 UW Graduate School Fund for Excellence and Innovation (\$500)
- 2011 UW Graduate & Professional Student Senate Travel Fund (\$250)
- 2009 UW Geography Top Scholar Award (1 year of funding: about \$9,000)
- 2009 International Cartographic Association (ICA) Travel Scholarship (\$1,800)
- 2009 Cartography & Geographic Information Society (CaGIS) Master’s Award (\$500)
- 2007 SDSU McFarland Award (\$6,600)
- 2007 SDSU Map Design Competition winner (\$50)
- 2006 ECU Milos Sebor Scholarship (\$150)
- 2005 ECU Milos Sebor Scholarship (\$200)
- 2002-2006 President’s List (4.0 GPA) once, and Dean’s List (3.6 GPA) five times.
- 2005 School for International Training – “Culture, Language, and Development in Vietnam” travel scholarship (\$5,000)

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.