Dillon N Mahmoudi

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EDUCATION

2017 **Ph.D., Urban Studies**
Toulan School of Urban Studies and Planning (USP), Portland State University.
Dissertation: "Making Software, Making Regions: Networks, Segmentation, and Diversity."
Committee: Greg Schrock (Chair), Sy Adler, Amy Lubitow (Sociology), Nathan McClintock.
Economic development; labor and technology in society.

2016 **Graduate Certificate, Geographic Information Science (GIS)**
Department of Geography, Portland State University.
Modifiable areal unit problem (MAUP); spatial statistics.

2006 **B.S., Computer Science**
College of Computing, Georgia Institute of Technology.
Software engineering; cognitive science.

ACADEMIC EMPLOYMENT

2017– **Assistant Professor**
Department of Geography and Environmental Systems (GES), University of Maryland Baltimore County (UMBC), Baltimore County, MD.

2009–2017 Graduate Research Assistant, Portland State University (PSU), Portland, OR.
Center for Urban Studies, Community Environmental Services, Institute of Metropolitan Studies, Portland State Foundation, Intel Corporation.

2004–2006 Undergraduate Research Assistant, Georgia Institute of Technology, Atlanta, GA.
Cognition and Learning in Interdisciplinary Cultures, Regents' Professor Nancy Nersessian.

SELECTED PROFESSIONAL EMPLOYMENT

2011–2017 Senior Research Associate, City Observatory & Impresa Consulting, Portland, OR.
Urban research, urban commentary, data specialist, digital and interactive map production. Clients include: The John S. and James L. Knight Foundation; The National Trust for Historic Preservation; ArtPlace America; and CEOs for Cities.

2006–2009 Product Manager, Web & eCommerce, National Instruments, Austin, TX.

2003–2004 Software Automation Engineer, .NET and Visual Studio, Microsoft, Dublin, Ireland.

1999–2001   Software Test Engineer Intern, Hardware, Microsoft, Redmond, WA.

PUBLICATIONS

Peer-reviewed Journal Articles

2016   Thatcher, Jim, David O'Sullivan and <u>Dillon Mahmoudi</u>. **"Data Colonialism through Accumulation by Dispossession: New metaphors for daily data."** *Environment and Planning D: Society and Space* 34 (6): 990-1006. doi:10.1177/0263775816633195

Powe, Michael, Emily Talen, Jonathan Mabry and <u>Dillon Mahmoudi</u>. **"Jane Jacobs and the Value of Older, Smaller Buildings."** *Journal of the American Planning Association* 82 (2): 1-14. doi:10.1080/01944363.2015.1135072

McClintock, Nathan, <u>Dillon Mahmoudi</u>, Michael Simpson and Jacinto Pereira Santos. **"Sociospatial differentiation in the Sustainable City: A mixed-methods assessment of residential gardens in metropolitan Portland, Oregon, USA."** *Landscape and Urban Planning* 148 (April): 1-16. doi:10.1016/j.landurbplan.2015.12.008

Mahmoudi, Dillon, and Anthony Levenda. **"Beyond the Screen: Uneven Geographies, Digital Labour, and the City of Cognitive-Cultural Capitalism."** *tripleC: Communication, Capital and Critique* 14 (1) (February): 99-120. Permalink

2015   Levenda, Anthony, <u>Dillon Mahmoudi</u>, and Gerald Sussman. **"The Neoliberal Politics of 'Smart': Electricity Consumption, Data Analytics, and Ubiquitous Financialization."** *Canadian Journal of Communication* 40 (4) (November): 615-636. PDXScholar

2013   Seltzer, Ethan, and <u>Dillon Mahmoudi</u>. **"Citizen Participation, Open Innovation, and Crowdsourcing: Challenges and Opportunities for Planning."** *Journal of Planning Literature* 28 (1) (February): 3-18. doi:10.1177/0885412212469112

Articles In Progress

Mahmoudi, Dillon. "Feminization of Software Labor: Segmentation, Bifurcation and Deskilling."

Mahmoudi, Dillon. "The Always Emerging Geography of Software Production."

Levenda, Anthony, and Dillon Mahmoudi. "Locating Digital Capitalism: The New Urban Frontier."

Mahmoudi, Dillon, Amy Lubitow and Nathan Rochester. "Barriers to Urban Mobility: An Engaged Methods for Vulnerable Populations."

Mahmoudi, Dillon, David O'Sullivan and Jim E Thatcher. "Dead Digital Labor: Historical Materialism and GeoJSON."

Mahmoudi, Dillon and Greg Schrock. "The Changing Nature of High-Tech and I-Tech Industries."

Book Chapters

* Denotes invited chapters

In progress		* Mahmoudi, Dillon. "Equality" in *Digital Geographies* edited by James Ash, Rob Kitchin, and Agnieszka Leszczynski. SAGE.

Commentary

2016		Attendees of the Revisiting Critical GIS Meeting. **"Revisiting critical GIS."** *Environment and Planning A* 48 (5) (May): 815-824. doi:10.1177/0308518X15622208

Book Reviews

2017		Lubitow, Amy, and <u>Dillon Mahmoudi</u>. **"Review of *Bike Lanes Are White Lanes: Bicycle Advocacy and Urban Planning* by Melody L. Hoffmann."** *Urban Geography* 38 (6): 951-952. doi:10.1080/02723638.2016.1248884

Reports

2016		Lubitow, Amy, <u>Dillon Mahmoudi</u>, Emma Deppa, Santiago Mendez, Raquel Nasser Stevens, Nathan Rochester, Kylas Tompkins. December. **"Understanding Spatial Equity in Portland, Oregon."** Prepared for the City of Portland.

		Cortright, Joseph, and <u>Dillon Mahmoudi</u>. April. **"The Storefront Index."** City Observatory.

2014		Cortright, Joseph, and <u>Dillon Mahmoudi</u>. December. **"Lost in Place: Why the persistence and spread of concentrated poverty, not gentrification, is our biggest urban challenge."** City Observatory.

		Project collaborator with Preservation Green Lab. May. **"Older, Smaller, Better: Measuring how the character of buildings and blocks influences urban vitality."** National Trust for Historic Preservation. Executive Summary PDF.

		Cortright, Joseph, and <u>Dillon Mahmoudi</u>. May. **"Neighborhood Change, 1970 to 2010: Transition and Growth in Urban High Poverty Neighborhoods."** Impresa Consulting.

Selected Maps

2016		The Storefront Index. City Observatory. April. Interactive Web Map.
		http://www.cityobservatory.org/maps/storefronts/

2014		Lost In Place. City Observatory. December. Interactive Web Map.
		http://cityobservatory.org/maps/lostinplace/

2013		America's Top Artplaces 2013. ArtPlace America. Print.
		http://dillonm.io/articles/americastopartplaces2013.pdf

2011   Portland Badassness Map. March. Print.
            http://dillonm.io/files/PortlandBadassnessMap2011March.pdf

CONFERENCE PARTICIPATION

Invited Talks

2017   Mahmoudi, Dillon. May. "Apologies for the Following Quantitative Data: Success and Failure in Data-Driven Projects." Resistance GIS. Portland, OR.

Conferences Organized

2016   **Space of Struggle: Radical Planning Mini-Conference**, Portland, OR. November. Sponsored by *Critical Planning* and Planners Network.

2015   **Critical Geographies Mini-Conference**, Portland, OR. November.

Conference Presentations and Organized Panels

2017   Mahmoudi, Dillon. April. "Code Yourself To A Better Future: The Feminization of Software Labor." Annual Conference of the American Association of Geographers (AAG). San Francisco, CA.

            Session co-organizer. April. "Real Estate Technologies." Annual Conference of the American Association of Geographers (AAG). San Francisco, CA.

2016   Mahmoudi, Dillon. November. "Making Software, Making Regions." Annual Conference of the American Collegiate Schools of Planning Congress (ACSP). Portland, OR.

            Mahmoudi, Dillon. June. "Labor Market Segmentation and Software Work." Annual Conference of the North American Regional Studies Association (RSA). Atlanta, GA.

            Mahmoudi, Dillon. April. "Apologies for the Following Quantitative Data: Success and Failure in Data-Driven Projects." Annual Conference of the American Association of Geographers (AAG). San Francisco, CA.

            Denham, Diana, Amy Coplen, Dillon Mahmoudi, Adam Brunelle and Nathan McClintock. April. "Urban agriculture and gentrification in sustainable cities: a case study from Montreal and Portland." Annual Conference of the American Association of Geographers (AAG). San Francisco, CA.

            Session co-organizer. April. "Political Ecologies of Technology #aagPOET." Annual Conference of the American Association of Geographers (AAG). San Francisco, CA.

            Mahmoudi, Dillon. March. "Regional Software Production and Economic Development: Portland, Seattle and Austin." Annual Conference of the Urban Affairs Association (UAA). San Diego, CA.

            Levenda, Anthony and Dillon Mahmoudi. February. "The Third-Wave Urbanization of Nature: Political Ecology and Cognitive-Cultural Capitalism." Dimensions of Political Ecology (DOPE). Lexington, KY.

Session co-organizer and discussant. February. "Political Ecologies of Technology #dope-POET." Dimensions of Political Ecology (DOPE). Lexington, KY.

2015   Mahmoudi, Dillon. October. "Regional Software Production: Firms, Labor-Markets and Place." Annual Conference of the American Collegiate Schools of Planning Congress (ACSP). Houston, TX.

Mahmoudi, Dillon. April. "What's in a File Type? On Making Maps Critically by Deconstructing the Digital Map." Annual Conference of the American Association of Geographers (AAG). Chicago, IL.

Levenda, Anthony, Dillon Mahmoudi, and Gerald Sussman. April. "The Neoliberal Politics of 'Smart': Electricity Consumption, Data Analytics, and Ubiquitous Financialization." Annual Western Social Sciences Association. Portland, OR.

Howland, Steven and Dillon Mahmoudi. April. "Carsharing Access: Car2Go and Getaround in Portland, Oregon." Urban Affairs Association (UAA). Miami, FL.

Mahmoudi, Dillon. February. "The Role of ICTs in the Urbanization of Nature: Data Centers in Oregon." Dimensions of Political Ecology (DOPE). Lexington, KY.

2014   Mahmoudi, Dillon. October. "Open-Innovation in Software Production: Portland, Oregon." Annual Conference of the American Collegiate Schools of Planning Congress (ACSP). Philadelphia, PA.

2013   Mahmoudi, Dillon, and Greg Schrock. July. "High-Tech and I-Tech Revisited." Joint Association of European Schools of Planning/American Collegiate Schools of Planning Congress (AESOP/ACSP). Dublin, Ireland.

Mahmoudi, Dillon, and Joseph Cortright. April. "Metropolitan Patterns of Income Inequality: Off the Census Tract, on the Grid." Annual Conference of the American Association of Geographers (AAG). Los Angeles, CA.

2012   Mahmoudi, Dillon, and Ethan Seltzer. November. "Big Ideas: Crowdsourcing and Citizen Participation in Omaha, Nebraska." Annual Conference of the American Collegiate Schools of Planning (ACSP). Cincinatti, OH.

AWARDS, HONORS & WORKSHOPS

2017   Student Achievement Award, Community Engagement, College of Urban and Public Affairs, PSU. Winner.

Outstanding Teaching Award, College of Urban and Public Affairs, PSU. Nominee.

2016   Hackademia Computing Cultures Summer School, Lüneberg, Germany. Delegate. August.

Oxford Internet Institute Summer Doctoral Programme, University of Oxford, UK. Delegate. July.

Summer Institute of Urban Studies, Manchester, UK. Delegate. June.

2015   Authors Meets Critics, *International Journal of Urban and Regional Research*. Critic.

2014   Revisiting Critical GIS, Friday Harbor, University of Washington. Participant. October.

Summer Institute of Economic Geography, Frankfurt am Main, Germany. Delegate. July.

GRANTS

2015	Urban Form, Inclusion, and Diversity ($26,500) City Observatory and Knight Foundation. Co-PI with Greg Schrock.
2014	Open Innovation in the Software Sector ($25,000) City Observatory and Knight Foundation. Co-PI with Greg Schrock.
	Travel Award ($625). Institute for Sustainable Solutions, PSU.
2013	Travel Award ($200). Marie Brown Travel Award, PSU.
2012	Travel Award ($200). Marie Brown Travel Award, PSU.

TEACHING

Instructor

2017	PSU USP 452, GIS for Community Development.

Teaching Assistant

2017	PSU USP 440, Measuring People and Communities in an Urban Context.
2015	PSU USP 440, Measuring People and Communities in an Urban Context.
2014	PSU USP 452, GIS for Community Development.
2002	Georgia Tech UNIV 1000, Freshman Orientation.

SERVICE

Profession

Referee

tripleC: Communication, Capital, Critique
Challenges in Sustainability
Growth and Change: A Journal of Urban and Regional Policy
Imaginations: Journal of Cross Cultural Image Studies
Reinvention: an International Journal of Undergraduate Research

University

2014-2016	PSU Graduate Employees Union, Organizing Committee, Member.
2015	PSU USP, Funding Task Force, Student Representative.
2013	PSU USP, Urban Studies Student Group, Founder & President.
2012	PSU USP, Executive Committee, PhD Representative.

2011	PSU USP, Executive Committee, Representative-at-large.
2009–2010	PSU USP, Executive Committee, Masters Representative.

Community

2013–2015	World Affairs Council, Young Professionals Steering Committee, Member.

MEMBERSHIPS

2016–	Regional Studies Association.
	Union for Radical Political Economics.
2014–	Canadian Association of Geographers - L'Association Canadienne des Géographes.
2013–	Society for Social Studies of Science.
2012–	Urban Affairs Association.
	American Association of Geographers.
2011–	American Collegiate Schools of Planning.

MEDIA COVERAGE & INTERVIEWS

2015	Interview, "Amerikas Stammesgebiete, Immer mehr US-Bürger leben unter Gleichgesinnten. Das verändert Amerika fundamental." Süddeutsche Zeitung. München, Germany. (November 30, 2015).
	Interview, "Imaginary Crisis: Is Gentrification A Myth?" Let Your Voice Be Heard, WHCR 90.3. Harlem, NY. (January 30, 2015).
2012	Interview, "(P)retirement's new frontier: Study focuses on city's young creatives – economic saviors or slackers?" Portland Tribune. Portland, OR (September 13, 2012).
2011	Interview, "How badass is your neighborhood?" KATU morning show. Portland, OR (April 28, 2011).
2008	Panelist, "Targeting Customers And Improving Your Marketing ROI Through Innovative Personalization and Segmentation Strategies." eTail Conference East, Washington DC (August 7, 2008).