

YOUNGSEOB EUM

CONTACT INFORMATION	Department of Geography, State University of New York at Buffalo 408 Wilkeson Quad., North Campus, Buffalo, NY 14261 USA. Email: yeum@buffalo.edu	
EDUCATION	Ph.D. Student, Department of Geography State University of New York at Buffalo Adviser: Eun-Hye Enki Yoo	Current
	M.A., Department of Geography Seoul National University, Seoul, Korea Adviser: Key-ho Park Thesis: <i>The Mapping and Measurement of Regional Inequality of Suicide Risk in Korea: 2008-2012</i>	Spring 2015
	B.A., Department of Geography Seoul National University, Seoul, Korea <i>Cum Laude</i>	Spring 2009
ACADAMIC EXPERIENCE	Teaching Instructor Web-Based Geographic Information Systems Department of Geography, State University of New York at Buffalo	Spring 2019
	Research Assistant National Center for Geographic Information and Analysis at Buffalo, State University of New York at Buffalo, NY, USA Project: <i>A Three-population three-scale social network model to assess disease dispersion</i> funded by National Institute Of General Medical Sciences of the National Institutes of Health (NIH/NIGMS)	Sep. 2015 – Present
	Research Assistant The Institute of Health Environment, Seoul National University, Seoul, Korea Project: <i>Association between Predicted Particulate Matter Air Pollution and Health</i> funded by Institute of National Research Foundation of Korea, Seoul, Korea	Mar. 2014 – Aug. 2015
	Research Assistant The Institute for Korean Regional Studies, Seoul National University, Seoul, Korea Project: <i>Developing Index Table of the Utility Ratio per Floor for Non-residential Multi-story Buildings</i> funded by Korea Appraisal Board, Daejeon, Korea	Apr. 2014 – Sep. 2014
	Teaching Assistant Department of Geography, Seoul National University, Seoul, Korea	Fall 2013 – Spring 2014
HONORS, AWARDS, AND SCHOLARSHIPS	Teaching Assistant Scholarship, SNU, Seoul, Korea	Spring 2014 - Fall 2014
	Brain Korea 21 Research Scholarship, National Research Foundation of Korea, Seoul, Korea	Fall 2013

First Prize in the Contest of Undergraduate/Graduate Student Poster Session,
Annual Meeting of Korean Geographers, Seoul, Korea June 2013

SNU Development Fund Scholarship, SNU, Seoul, Korea Fall 2012 - Spring 2013

External Scholarship, Hyoungae Foundation, Seoul, Korea Spring 2007 - Fall 2008

Superior Academic Performance Scholarship, SNU, Seoul, Korea Spring 2006 -
Fall 2006

PEER REVIEWED
PUBLICATIONS

Eum Y., Yoo E.-H., Bowen E., 2019, Socioeconomic determinants of pediatric asthma emergency department visits under regional economic development in western New York, *Social Science & Medicine*, 222: 133–144.

Yoo E.-H., Brown P., **Eum Y.**, 2018, Ambient air quality and spatio-temporal patterns of cardiovascular emergency department visits, *International journal of health geographics*, 17(1): 18.

PEER REVIEWED
SHORT PAPERS

Yoo E.-H. and **Eum Y.S.**, and Roberts J.E., 2019, Implications of incomplete GPS-enabled mobile phone data on human mobility studies, AGILE 2019, In the Accepted Short Papers and Posters from the 22nd AGILE Conference on Geoinformation Science. Cyprus University of Technology 17-20 June 2019, Limassol, Cyprus. ISBN 978-90-816960-9-8, Publisher: Stichting AGILE.

Yoo E.-H. and **Eum Y.S.**, 2016, *Using GPS-enabled mobile phones to characterize individuals' activity patterns for epidemiology applications*. GIScience 2016, In the Short Paper Proceedings of the 9th International Conference on Geographic Information Science (pp. 388–391), Montreal, Canada, Sep.27–Sep.30, 2016.

CONFERENCE
PRESENTATIONS

Eum Y., Yoo E.-H., *The effects of influenza-like symptoms on human mobility patterns in Buffalo metropolitan area, New York, the 2016–2017 influenza season*, 2019 AAG Annual Meeting, Washington, D.C, USA, Apr. 3-7, 2019

Bian L., Zhong S., **Eum Y.**, Miller M., Gao P., Pan Y., and Yoo E. *Smartphone-Based Survey of Individual Interaction and Mobility Behavior in the Context of Influenza Surveillance*, 2017 MIDAS Annual Network Meeting, Atlanta, Main, USA, May 22, 2017.

Yoo E.-H., **Eum Y.**, and Jiang X., *Air Pollution and Emergency Department Visits for Cardio Vascular Disease*, 2017 AAG Annual Meeting, Boston, MA, USA, Apr. 5 - 9, 2017.

Eum Y. and Yoo E.-H., *Contextualization of GPS data with applications to epidemiological study*, The 112th Annual meeting of the Association of American Geographers, San Francisco, CA, USA, Mar. 29 - Apr. 2, 2016.