Curriculum Vitae
Satoshi Miyazawa

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EDUCATION

October 2014 - September 2017

The University of Tokyo, Tokyo, Japan

- Completed Ph.D program (Socio-Cultural Environmental Studies) without a Ph.D. degree
- Worked on multi-modal human mobility prediction / classification with GPS and SNS data.
- GPA: 4.0/4.0

September 2012 - May 2014

The University of Maryland, College Park, USA

- Master of Professional Studies in Geospatial Information Sciences
- Capstone Project: Modeling and analyzing the possible human trafficking routes in Arizona-Mexico border, including non-traditional transportation.
- GPA: 4.0/4.0

April 2008 - March 2012

Keio University, Tokyo, Japan

- Bachelor of Arts in Environmental and Information Studies
- Researched assessment of tsunami mitigation effect of coastal forest in Tohoku region, Japan using Remote Sensing and GIS for my bachelor's thesis.
- GPA: 3.61(Junior/Senior). 3.28(Cumulative)

PROFESSIONAL EXPERIENCE

February 2018 -

Project Consultant, Asian Development Bank Institute, Tokyo, Japan

- Geospatial modeling of spillover effect of high speed rail infrastructure development

November 2017 -

Project Researcher, Center for Spatial Information Science (CSIS), the University of Tokyo, Tokyo, Japan

- Big data analysis on city-scale mobile phone GPS trajectory.
- Extraction of urban QOL indicators from GPS trajectories.

September 2015 - October 2017

Engineer, Nightley Inc., Tokyo, Japan

- Big data analysis on geo-tagged SNS for inbound tourism analysis.
- Development of machine-learning backed API

April 2015 - September 2017
Assistant Technical Staff, Institute of Industrial Science (IIS), the University of Tokyo , Tokyo, Japan

June 2016 - September 2017
Research Assistant, Center for Spatial Information Science (CSIS), the University of Tokyo, Tokyo, Japan

July 2014 - August 2014
General Associate, National Consortium for the Study of Terrorism and Responses to Terrorism (START), College Park, MD
- Modeling and analyzing the possible human trafficking routes in Arizona-Mexico border, including non-traditional transportation.

November 2013 - May 2014
General Associate, National Consortium for the Study of Terrorism and Responses to Terrorism (START), College Park, MD

May 2013 - August 2013
GIS Analytical Project Intern, National Consortium for the Study of Terrorism and Responses to Terrorism (START), College Park, MD

PUBLICATIONS
Journals:
- Miyazawa, S., Song, X., Xia, T., Shibasaki, R., and Kaneda, H. (2018) 'Integrating GPS trajectory and topics from Twitter stream for human mobility estimation', *Frontiers of Computer Science*, (c), pp. 1–11. doi: 10.1007/s11704-017-6464-3.

Conferences:
- Renhe Jiang, Xuan Song, Zipei Fan, Tianqi Xia, Quanjun Chen, Satoshi Miyazawa, and Ryosuke Shibasaki, (2018) 'DeepUrbanMomentum : An Online Deep-Learning System for Short-Term Urban Mobility Prediction'. In Proceedings of the 32nd AAAI Conference (AAAI 2018)
- Miyazawa S, Song X, and Shibasaki R. (2015) Discovering spatiotemporal topics in Twitter stream to predict crowd behavior, The 24th Conference of Geographical Information Systems Association of Japan (in Japanese)
- Miyazawa S, Yonezaki S, Yoshitsugu T, and Ichinose T. (2011) The Relationship Between Inland Land Cover and the Damage on Coastal Forest Caused by the 2011 Tohoku Tsunami in Sanriku Coast, Japan, The 20th Conference of Geographical Information Systems Association of Japan (in Japanese)

AWARDS/GRANTS
- GSFS PhD Academic Research Grant, Graduate School of Frontier Sciences, The University of Tokyo. (750,000 JPY)
- Incentives to Study and Conduct Research Through SFC Education Promotion Foundation

(124,000 JPY) (Lead researcher: Miyazawa S.)

MEMBERSHIP
- GIS Association of Japan

QUALIFICATIONS, SKILLS, LICENSES
Language: Japanese, English (TOEFL iBT: 100, 2014)
Python, PHP, Java, Perl, C++, Scheme, JavaScript, R for programming
ArcGIS, QGIS, GRASS GIS, PostGIS for GIS software
ERDAS Imagine, ENVI for remote sensing software
Apache Spark for cluster computing
MySQL, PostgreSQL, Oracle Database for database management