

Hyung-Kwon Ko

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INTERESTS

- Nonlinear Dimensionality Reduction Techniques & Metric Learning
- Information Visualization for Knowledge Discovery & Progressive Visual Analytics

EDUCATION

- **Seoul National University** Seoul, Republic of Korea
M.S. student in Computer Science and Engineering (Advisor: Prof. Jinwook Seo) *Sep 2019 - present*
- **Hanyang University** Seoul, Republic of Korea
B.S. in Mathematics, Minor in Industrial Engineering *Mar 2014 - Aug 2019*

PUBLICATIONS

- *Peer-reviewed conferences*

[C1] Hyung-Kwon Ko, Jaemin Jo, and Jinwook Seo, "Progressive Uniform Manifold Approximation and Projection," In *EuroVis* (Short), to appear, 2020.

EXPERIENCE

- **Human-computer Interaction Lab** Seoul, Republic of Korea
Undergrad Intern – Lab of professor Jinwook Seo at SNU *Mar 2019 - Aug 2019*
- **LG Electronics** Seoul, Republic of Korea
Intern – Service development team, Cloud center *Jan 2019 - Feb 2019*
- **Wesleyquest Inc.** Seoul, Republic of Korea
Research Associate – Strategic consulting firm *Jun 2018 - Aug 2018*
- **Probability and Statistical Modeling Lab** Seoul, Republic of Korea
Undergrad Intern – Lab of professor Suk-Joo Bae at Hanyang Univ. *Mar 2017 - Nov 2017*

AWARDS

- **3rd place in Big Contest**
National Information Society Agency and Korea Bigdata Forum *Oct 2018*
- **2nd Place in Artificial Intelligence Novel Competition**
KT and KOCCA *Aug 2018*
- **2nd Place in Academical team research**
Natural Science college of Hanyang University *Nov 2017*

PROGRAMMING SKILLS

- **Languages:** Python(Tensorflow, Keras), R, C/C++, JavaScript(Angular, Node, D3.js), Matlab, SQL
- **Technologies & Tools:** git, vim, AWS EC2, L^AT_EX

SERVICES & VOLUNTEER EXPERIENCE

- **External reviewer**
IEEE PacificVis (paper) 2019
- **The Actors Theatre Workshop** New York, NY, USA
Nonprofit organization, Intern Mar 2016 - Aug 2016
- **Republic of Korea Army** Hongcheon-gun, Gangwon-do, Republic of Korea
11th Division, Administrative Clerk Jun 2011 - Mar 2013