

Hyung-Kwon Ko

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Interests

- Human-centered AI/ML Systems & Generative Models
- Information Visualization & Nonlinear Dimensionality Reduction Techniques

Education

- **Seoul National University** Seoul, Republic of Korea
M.S. 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*

- [C2] Seokweon Jung, Kiroong Choe, Seokhyeon Park, **Hyung-Kwon Ko**, Youngtaek Kim, and Jinwook Seo, "Mixed-Initiative Approach to Extract Data from Pictures of Medical Invoice," *IEEE Pacific Visualization Symposium (PacificVis)*, to appear, 2021.
- [C1] **Hyung-Kwon Ko**, Jaemin Jo, and Jinwook Seo, "Progressive Uniform Manifold Approximation and Projection," *EuroVis 2020: Eurographics/IEEE-VGTC Symposium on Visualization*, 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(PyTorch), R, C/C++, JavaScript(Svelte, Node, D3.js)
- **Technologies & Tools:** Git, Vim, AWS EC2, \LaTeX

Services & Volunteer Experience

- **External reviewer**
IEEE PacificVis (paper) 2020-2021
- **The Actors Theatre Workshop**
Nonprofit organization, Intern New York, NY, USA
Mar 2016 - Aug 2016
- **Republic of Korea Army**
11th Division, Administrative Clerk Gangwon-do, Republic of Korea
Jun 2011 - Mar 2013