

# Hyung-Kwon Ko

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## Interests

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- Human-centered AI/ML Systems & Computer-supported Cooperative Work
- Generative Models & Latent Manipulation

## Education

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- **Seoul National University** Seoul, Republic of Korea  
*M.S. in Computer Science and Engineering (Advisor: Prof. Jinwook Seo)* Sep 2019 - Aug 2021
- **Hanyang University** Seoul, Republic of Korea  
*B.S. in Mathematics, Minor in Industrial Engineering* Mar 2014 - Aug 2019

## Publications

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- *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

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- **Naver Webtoon** Gyeonggi, Republic of Korea  
*AI Research Intern @ Webtoon AI* Apr 2021 - Jun 2021
- **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  
*Research 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

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- **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

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- **Languages:** Python(PyTorch), R, C/C++, JavaScript(Svelte, Node, D3.js)
- **Technologies & Tools:** Git, Vim, AWS EC2,  $\LaTeX$

## Services & Volunteer Experience

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