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. (2020) "Progressive Uniform Manifold Approximation and Projection". In *EuroVis* (Short).

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, LaTeX

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*