

Seong Hyeon Park

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EDUCATION

- **Hanyang University** Seoul, Korea
M.S. in Electrical Engineering *Feb. 2018 – Aug. 2020*
- **Carnegie Mellon University** Pittsburgh, PA, USA
Intensive Program in Artificial Intelligence *Aug. 2019 – Feb. 2020*
- **Hanyang University** Seoul, Korea
B.S. in Electrical Engineering; summa cum laude. *Mar. 2012 – Feb. 2018*

PUBLICATIONS

- [C1] ByeongDo Kim, **Seong Hyeon Park**, Seokhwan Lee, Elbek Khoshimjonov, Dongsuk Kum, Junsoo Kim, Jeong Soo Kim and Jun-Won Choi. “LaPred: Lane-Aware Prediction of Multi-Modal Future Trajectories of Dynamic Agents”. IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2021. [arXiv]
- [C2] **Seong Hyeon Park**, Gyubok Lee, Minseok Kang, Jimin Seo, Manoj Bhat, Ashwin Jadhav, Jonathan Francis, Paul Liang and Louis-Philippe Morency. “Diverse and Admissible Trajectory Forecasting through Multimodal Context Understanding”. European Conference on Computer Vision (ECCV), 2020. [arXiv]
- [C3] **Seong Hyeon Park**, Byeongdo Kim, Chang Mook Kang, Chung Choo Chung and Jun-Won Choi. “Sequence-to-Sequence Prediction of Vehicle Trajectory via LSTM Encoder-Decoder Architecture”. IEEE Intelligent Vehicles Symposium (IV), 2018. (*Oral Session*) [arXiv]

PATENT

- [P1] **Seong Hyeon Park**, ByeongDo Kim and Jun-Won Choi. “Vehicle Trajectory Prediction Technique via Modularized Recurrent Neural Network Architecture.”, Korea patent 1019515950000, 2019. [Web]

PROFESSIONAL ACTIVITIES

- **Journals Reviewing [Publons]**: IEEE Transactions on Intelligent Transportation Systems, IEEE Transactions on Big Data, Elsevier Neurocomputing

WORK EXPERIENCES

- **Motion Forecasting for Autonomous Vehicles** Hanyang University Research Institute
Researcher *Oct. 2020 – Apr. 2021*
 - **Research:** Developed multi-lane context processing algorithms for efficient motion forecasting, introduced in [C1].
- **Military Service** US Army
Sergeant (KATUSA program) *Jul. 2013 – Apr. 2015*
 - **Specialty:** Military Police at the US Army Garrison Daegu
 - **Career:** Completed Warrior Leader Course at the Eighth Army Wightman NCO Academy.

AWARDS AND SCHOLARSHIPS

- [A1] Honorable Mention (Argoverse Motion Forecasting Challenge), 2020. [Video]
- [A2] Academic Excellence Award (Hanyang University), 2018.
- [S1] Kwanjeong Educational Foundation, 2018 – 2020.
- [S2] The Graduate School of Hanyang University (tuition waiver), 2018 – 2020.
- [S3] Korean Government (Brain Korea 21), 2018.
- [S4] Korea Semiconductor Industry Association, 2017.
- [S5] Hanyang University Alumni Association (Department of Electrical Engineering), 2017.