

Kyoungjun Park

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

School of Computing / M.S. degree

[Wireless mobile INternet and Service LAB \(WINS LAB\)](#)

Advisor: Myungchul Kim

03.2017 –
02.2019

Chung-Ang University

Computer Science Engineering / B.S. degree (Summa Cum Laude)

Total GPA of 4.36 / 4.5

[Ultra-Intelligent Computing/Communication LAB \(UC LAB\)](#)

Advisor: Sungrae Cho

03.2013 –
02.2017

RESEARCH INTERESTS

Machine learning & Reinforcement learning, Multimedia, Human-computer interaction, and Mobile and ubiquitous systems

EMPLOYMENT

TmaxData Co., Ltd.

Data Analysis Research Engineer

02.2019 -

AWARDS & HONORS

Best Research Award at Tmax Group

1st place among research engineers at the Tmax company

01.2020

Outstanding Thesis Award at KAIST's School of Computing

For a Master's thesis titled "Environment-Aware Video Streaming Optimization of Power Consumption"

02.2019

The DLive Scholarship

\$3K support for presentation of international conference (IEEE INFOCOM)

01.2019

Qualcomm-KAIST Innovation Awards

\$5K award

09.2018

Chung-Ang University Scholarship

Merit-based scholarships for 7 semesters

03.2013 –
02.2017

PUBLICATIONS

EVSO: Environment-aware Video Streaming Optimization of Power Consumption.

Kyoungjun Park, Myungchul Kim.

INFOCOM 2019: IEEE International Conference on Computer Communications. (*acceptance ratio = 19.7%, 288/1464*)

Energy-Efficient Mobile Charging for Wireless Power Transfer in Internet of Things Networks.

Woongsoo Na, Junho Park, Cheol Lee, **Kyoungjun Park**, Joongheon Kim, Sungrae Cho.

IEEE Internet of Things Journal 2018.

PATENTS

Method and apparatus of video streaming.
Myungchul Kim, **Kyoungjun Park**.
KR20200077974A

ACTIVITIES

Young Engineers Honor Society (YEHS) Regular Member

- Established under the National Academy of Engineering of Korea (NAEK). 11.2015 -
- Presenter of high school major seminar and mentor of the junior engineering classroom

2016 Qualcomm IT Tour

- Hosted by Qualcomm. 06.27.2016 –
- Listened to the sessions at the San Diego headquarters and presented to CEO Derek in a free theme. 07.02.2016

Ubiquitous Computing Lab, Chung-Ang University

- Research on clustering technique for Mobile Charger (MC) with wireless charging 01.2015 – 06.2016
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RECENT PROJECTS

Video Streaming Optimization with Reinforcement Learning

- Video analysis through various observations such as network traffic, and similarity between video frames when streaming videos 2018.07 – Present
- The training algorithm used A3C technique, which is the latest actor-critic method including two Neural Networks, and we used Policy Gradient Method to train the policy.

Maritime Connectivity Platform (MCP)

- A communication framework enabling efficient electronic information exchange between all authorized maritime stakeholders across available communication systems 03.2017 – 12.2019
- Developed Maritime Messaging Service (MMS) that allows maritime stakeholders to communicate seamlessly and reliably

'Smart Class' Application

- To help the communication with teacher, school parent, and student 08.2015 – 12.2015
- Used Flask for server & Android for client & SQLite3 for Database.

Smart Doorbell with IoT

- Added smart functions such as remote management and access control to the existing doorbell. 05.2015 – 12.2015
- Used Raspberry pi & various sensors.