

# 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

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## RESEARCH INTERESTS

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

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## EMPLOYMENT

### TmaxData Co., Ltd.

*Data Analysis Research Engineer*

02.2019 -

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## AWARDS & HONORS

### Best Research Award at Tmax Group

*1<sup>st</sup> 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

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## 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.

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## PATENTS

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Method and apparatus of video streaming.  
Myungchul Kim, **Kyoungjun Park**.  
KR102153801B1

09.2020-

Method to analyze data. (Application filed in the USA & KR)  
**Kyoungjun Park**, Youngkwang Lee, Saemaro Moon, Changho Hwang

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## ACTIVITIES

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### Young Engineers Honor Society (YEHS) Regular Member

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

11.2015 -

### 2016 Qualcomm IT Tour

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

06.27.2016 –  
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

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### Video Streaming Optimization with Reinforcement Learning

- Video analysis through various observations such as network traffic, and similarity between video frames when streaming videos
- 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.

07.2018 –  
01.2021

### Maritime Connectivity Platform (MCP)

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

03.2017 –  
12.2019