Daeun Jung

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EDUCATION

The Graduate School of Ewha Womans University | Seoul 03760, Korea   2019–Present
Master of Science, Department of Electronic and Electrical Engineering

- Research: Feature selection, Interpretable machine learning, Causal inference, Biomedical data
- GPA: 3.95/4.00 (Converted from 4.30)

Ewha Womans University | Seoul 03760, Korea   2014–2019
Bachelor of Science in Electronics Engineering, Department of Electronics Engineering

- Major GPA: 3.67/4.00 (Converted from 4.30)

PUBLICATIONS

1. Jungmin Kwon, **Daeun Jung**, Hyunggon Park, "Traffic Data Classification using Machine Learning Algorithms in SDN Networks", Conference on ICT Convergence (ICTC), 2020.
2. **Daeun Jung**, Hyunggon Park, "An Iterative Algorithm of Key Feature Selection for Multi-class Classification", International Conference on Ubiquitous and Future Networks (ICUFN), 2019.
3. **Daeun Jung**, Hyunggon Park, "Machine Learning based Algorithm for Small Amount Multi -featured Data in Three Classes", Joint Conference on Communications and Information (JCCI), 2019.
4. **Daeun Jung**, Jungmin Kwon, Hyunggon Park, "Study on Impact of Class Combinations on Performance of Multiple Class Classification", The Korean Institute of Communications and Information Sciences (KICS) Fall conference 2019.
5. Sunwoo Cho, **Daeun Jung**, Soohwan Lee, Myung-Ki Shin, Hyunggon Park, "Survey on Machine Learning Algorithms for SDN/NFV Automation", The Journal of Korea Information and Communications Society 2018.

PROJECTS

Supervised Agile Machine Learning Techniques for Network Automation based on Network Data Analytic Function   2019–Present
Key process: *meta information, deep learning, machine learning*

- Analyzing network traffic with Python, with focused on understanding and forecasting of dominant application to transfer knowledge for a network policy decision
- Collecting network data and developing classification algorithm based on machine learning, to reduce the imbalance in gathered data and identifying the characteristics of each service with providing low latency

Language-Conditioning Processing System based on Connectionism Model and Machine Learning for Age-Related Language Impairment Prediction   2019–Present
Key process: *linear regression, feature selection*

- Developing Language-Conditioning Processing System based on linear regression and feature selection to show the validity of suggested mild-cognitive evaluation test

EXPERIENCE

Visiting Scholar at Carnegie Mellon University, Advisor Alex Hauptmann   Jan 2020-Jul 2020
Full Scholarship for Intensive AI Program in CMU under the Ministry of Science and ICT

- Developed a general model for chatbot with profoundly experienced in Natural language Processing (NLP) Managed team and established architecture for a chatbot that satisfied user requirements
- Processed with large-scale multimedia data to generate Generative Adversarial Network using AWS

- Experienced in recommendation algorithms by applying text mining-related theories such as collaborate filtering and content-based filtering

Ewha Womans University Undergrad Student Researcher, Advisor Hyunggon Park Fall 2018
Surveyed for SDN/NFV network architecture and applied Machine Learning for 5G topology
Studied the use of Omics data such as PPI data and clinical data to extract meaningful features

Ewha Womans University Undergrad Student Researcher, Advisor Sung Min Park Winter 2018
Studied electronic circuit used in Lidar and CMOS Amplifier for Gigabit Ethernet

TEACHING

- **Head TA**, Ewha Womans University 2020
Communications Laboratory (35327-01)
- **Head TA**, Ewha Womans University 2019
Embedded System Design and Lab (36517-01), Communications Laboratory (35327-01)

SCHOLARSHIPS

- **Research Assistant Scholarship**, Ewha Womans University 2020
- **Admissions Scholarship(full tuition for one year)**, Ewha Womans University 2019
- **DEAN'S List**, Ewha Womans University Spring 2018 / Fall 2017 / 2015
- **National Grant**, South Korea 2018 2017 2016 / Fall 2015

SKILLS

- **Computer:** C, C++, Python (Pytorch), R, MATLAB, LaTeX
- **Languages:** English (fluent), Korean (native)

EXTRACURRICULAR ACTIVITIES

- Representative of Ewha Baduk, Central Club Fall 2016
Inviting professional players to conduct a Baduk event