Jeongwon Her

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RESEARCH INTEREST

My research interest is in the field of **Real-time Inference on Edge Devices**. The demand for computing optimization on edge devices is ever-increasing. Edge devices for real-time inference work on real-life matters and ensuring performance is the key. I believe it can be achieved with an efficient code generation framework.

EDUCATION

Mar. 2015 ~ Feb.2021 **B.S. in Computer Science, Dongguk University** Seoul, Korea
- GPA: 3.80/4.5 (Major GPA: 4.02/4.5)

RESEARCH EXPERIENCE

- **Distributed Computing and Computer Security Lab** Mar. 2020 ~ Jun. 2020
  Dept. of Computer Science and Engineering, Dongguk University
  - Participated in a project to develop deep learning-based technology detecting malware
  - Advisor: *Bongkyo Moon*

WORK EXPERIENCE

- **Upstage** Sep. 2022 ~ Current
  - Developing a machine learning system with Kubernetes on HCP
- **SNUAILAB** Sep. 2021 ~ Sep. 2022
  - Inference optimization on edge devices for real-time streaming camera
  - Orchestrate the deployment steps in the machine learning lifecycle
- **Certiware** Mar. 2021 ~ Sep. 2022
  - Develop a labeling toolset and serve with a fault-tolerant system
  - Managing high-performance clusters with GPUs.

TEACHING EXPERIENCE

- Teaching Assistant of Concurrent Programming Spring 2020
- Teaching Assistant of Programming Language Spring 2019

PUBLICATIONS

- **Jeongwon Her**, Bongkyo Moon, "Malware Detection Based on CNN with N-grams," *Korea Information Processing Society (KIPS)*, 2020.05.
- Seonghwan Tak, **Jeongwon Her**, Jongsuk Ahn, "VR Indoor Bicycle", *The Institute of Electronics and Information Engineers (IEIE)*, 2020.11.

SKILLS

- Programming Languages: Java, Python, C++, JavaScript
- Framework: TensorRT, Pytorch, Kubernetes
- Languages: Korean (Native), English