Changdae Son

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Reasearch Interests

Neural Architecture Search, Lightweight Deep Learning, Deep Learinng Inference SDK

Education

- **Seoul National University, Seoul, Korea**   taken 109/130 credits
  Undergraduate Course. March 2018 - Present(Senior)   GPA 3.91/4.3

Career

- **MarkAny Inc., Seoul, Korea**
  Deep Learning Software Engineer, DevOps Engineer. July 2021 - Present

    - Accelerate Deep Learning Inference using NVIDIA® TensorRT SDK
    - Deep Learning as SaaS, using AWS EC2 and SageMaker
    - Develop Heuristic Computer Vision Algorithm to Detect Abnormal Events
    - Data Set Version Control using NAS
    - CI/CD Configuration, Docker Containerization, Automatic Unit Test Configuration, Network Configuration

Publications

- Minsung Park, **Changdae Son**, Yonghye Kwon, Dongwon Jang
  "Violation Dection Model using Pose Estimation" IPIU 2022 (To Appear)

Patents

- **Image-based Pose Estimation And Action Detection Method And Apparatus**
  KR_10-2022-0097852

Projects

- **Development of Intelligent Image Security System Technology Based on Integrated Analysis of 2D and 3D Images Corresponding to the Environment of Cashierless Stores**
  Institute of Information & Communications Technology Planning & Evaluation (IITP) 2021-2023

- **LabPPBot_Cpp : A Modern C++ Open Source Library for Automated Chatbot Used in KakaoTalk Messenger**
  Personal Project, 2021 - Present

Skills

- Programming Languages : C++(Expert), Python(Advanced), Javascript(Intermediate), SQL
- Interested in : Deep Learning, Computer Vision, Parallel Processing, Problem Solving, Automation, DevOps
- Korean (Native), English (Fluent)