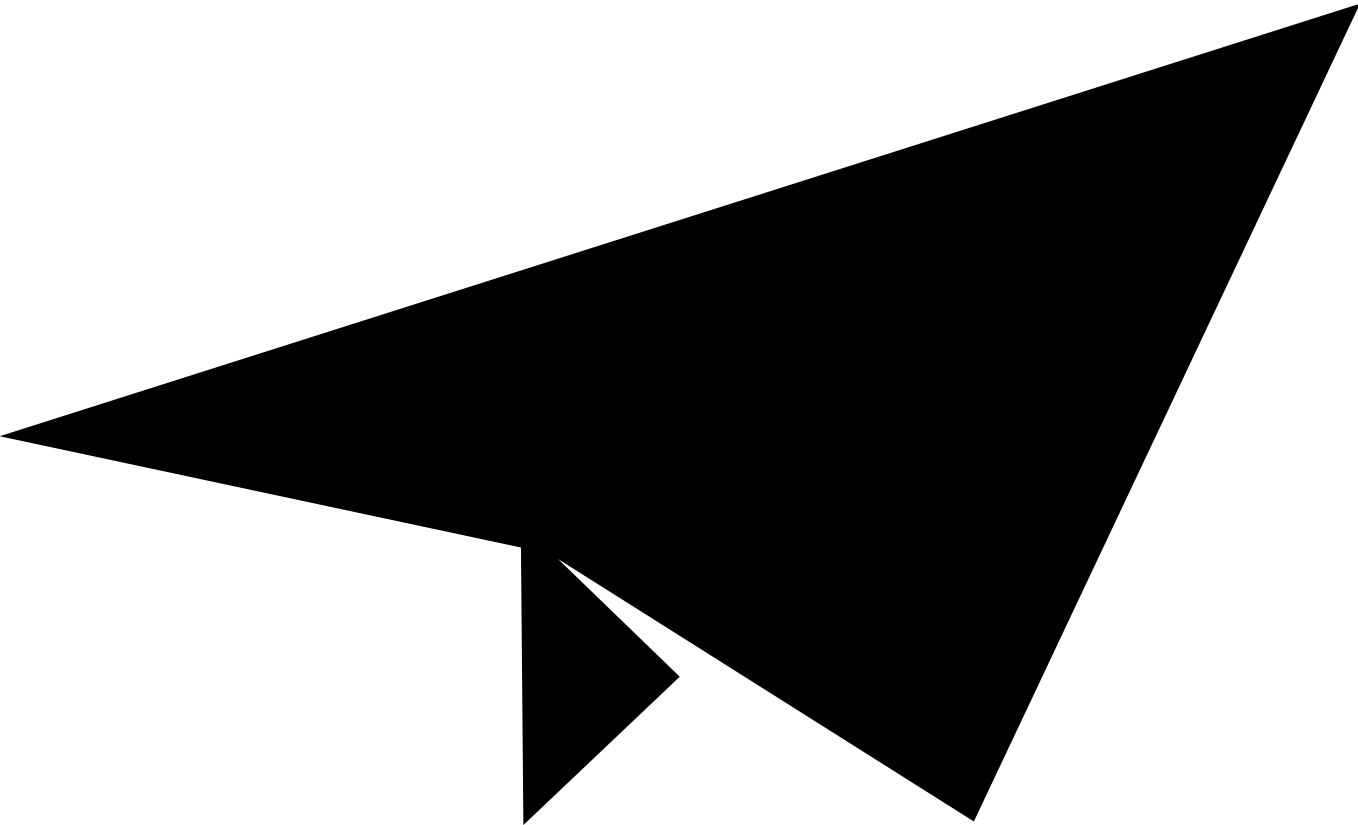
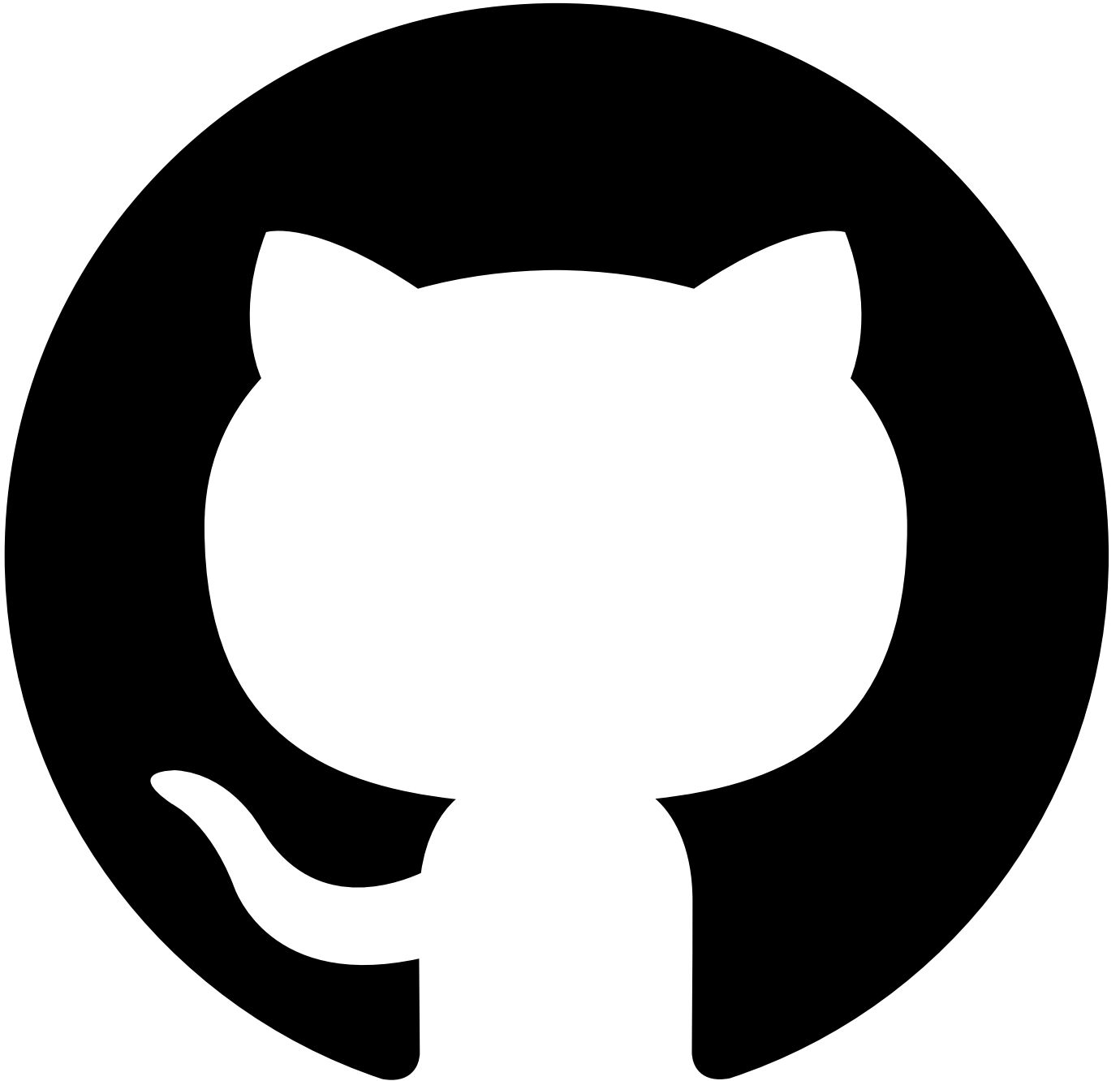


Dongyoon Wee



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github.com/dongyoon-wee

Professional Experience

Leader Video AI Research | [Naver](#) Jun 2020 – Present

- Led research on video representation, 3D scene reconstruction, multi-instance tracking
- Led to build MLOps system for efficient ML model training & serving
- Establish academic collaboration and set a publication strategy
- Led development of video analysis system, face edit system, videoQA system

Tech Lead Video AI Research | [Naver](#) Dec 2017 – Jun 2020

- Led research on action recognition, tracking ML model
- Developed video theme classification ML system for video recommendation
- Developed people tracking ML system for AutoHighlight system

Machine Learning Engineer | [Buzzvil](#) Mar 2017 – Dec 2017

- Developed news recommendation system based on ML model
- Developed data pipeline system to train/infer ML model

Data Scientist | [LG CNS](#) Jan 2015 – Mar 2017

- Developed defect inspection ML model for manufacturing industry
- Developed image search ML model for retail industry
- Developed fraud detection ML model for financial industry
- Developed churn prediction ML model for telecom industry

Associate Research Engineer | [LS Cable](#) Dec 2010 – Nov 2014

- Developed cable performance prediction system
- Developed power grid monitoring system under IEC 61850
- Developed remote monitoring system for wind/solar power generation

Research Intern | [EDF R&D](#) Mar 2010 – Sep 2010

- Implemented EOLSR(Energy Efficient Routing Protocol) in TinyOS for OCARI project
- Simulated the implemented network and proved its efficiency

Research Intern | [LG Electronics](#) May 2009 – Sep 2009

- Developed widget program for mobile phone

Education

Master's degree, Seoul National University | Electrical Engineering Mar 2008 – Feb 2011

- Dual master's degree on Ecole des Mines de Saint-Etienne
- Thesis on "Implementation EOLSR in TinyOS" based on wireless network protocol and simulation

Master's degree, Ecole des Mines de Saint-Etienne | Computer Science Sep 2008 – Aug 2010

Bachelor's Degree, Seoul Nation University | Electrical Engineering Mar 2003 – Aug 2008

Fellowships & Awards

N-Innovation 3rd place | [Naver](#) Jan 2024

- Developed short-form generation system for ShoppingLive service

N-Innovation 1st place | [Naver](#) Dec 2018

- Developed people tracking system for AutoHighlight service

Hackathon 1st place | [LG CNS](#) Oct 2016

- Developed object detection module on Jetson TX2 for self-driving car

Blaise Pascal Scholarship | Government of France Jul 2008

- Bourses d'excellence Blaise Pascal (acceptance rate: 4%)

Publications

Corresponding Author*

1. H. Helmbrecht, **T.-J. Lin**, S. Janakiraman, K. Decker, E. Nance*. Prevalence and Practices of Immunofluorescent Cell Image Processing: A Systematic Review. *Frontiers in Cellular Neuroscience* (2023). DOI: [10.3389/fncel.2023.1188858](https://doi.org/10.3389/fncel.2023.1188858).