Deunsol Jung

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POSITION	**Postdoctoral Researcher** **Department of Computer Science and Engineering (CSE)** **Pohang University of Science and Enginnering (POSTECH)**
CONTACT INFORMATION	Computer Vision Laboratory E2 302, Department of CSE, POSTECH 77, Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, 37673 Republic of Korea e-mail: deunsol.jung@postech.ac.kr Homepage: http://hesedjds.github.io
RESEARCH INTERESTS	Computer Vision and Deep Learning, in particular, graph neural networks for computer vision and scene graph generation.

EDUCATION

Pohang University of Science and Technology (POSTECH), Pohang, Republic of Korea

- Ph.D. (Unified master's and doctor's course)   Sep 2016 – Aug 2024
  - Advisor: Prof. Minsu Cho
  - Major: Department of Computer Science and Engineering
  - Dissertation: *Scene Understanding with Contextual Reasoning via Message Passing*
  - Cummulative GPA: 3.59/4.30
- B.S.   Mar 2011 – Aug 2016
  - Advisor: Prof. Seungmoon Choi
  - Major: Department of Computer Science and Engineering
  - Cummulative GPA: 3.36/4.30

WORK EXPERIENCE

Pohang University of Science and Technology (POSTECH), Pohang, Republic of Korea

- Postdoctoral Researcher   Sep 2024 – Now
  - Research focus: scene graph generation and neuro-symbolic learning
  - Working with Prof. Minsu Cho

RESEARCH EXPERIENCE

REVIEWERS

Asian Conference on Computer Vision (ACCV) 2018, 2022
AAAI Conference on Artificial Intelligence (AAAI) 2022
International Conference on Pattern Recognition (ICPR) 2021-2022
International Conference on Machine Vision Applications (MVA) 2021, 2023
International Journal of Computer Vision (IJCV) 2023, 2024
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024
IEEE Transaction on Image Processing (TIP) 2024

PUBLICATIONS

CONFERENCES

[1] S. Kim*, M. J. Lee*, W. Kim, D. Jung, J. Rim, S. Cho, and M. Cho, "Burst Image Super-Resolution with Base Frame Selection", in *New Trends in Image Restoration and Enhancement (NTIRE) Workshop at IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024*, Seattle, U.S.A., Jun 2024.

[2] D. Gong*, J. Lee*, D. Jung, S. Kwak, and M. Cho, "Activity Grammars for Temporal Action Segmentation", in *Conference on Neural Information Processing Systems (NeurIPS)*, New Orleans, U.S.A., Dec 2023.

[3] D. Jung, S. Kim, W. H. Kim, and M. Cho, "Devil's on the Edges: Selective Quad Attention for Scene Graph Generation", in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, Vancouver, Canada, Jun 2023.

[4] S. Kim, D. Jung, and M. Cho, "Relational Context Learning for Human-Object Interaction Detection," in *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, Vancouver, Canada, Jun 2023.

[5] D. Jung, D. Kang, S. Kwak, and M. Cho, "Few-shot Metric Learning: Online Adaptation of Embedding for Retrieval," in *Asian Conference on Computer Vision (ACCV)*, Macau SAR, China, Dec 2022.

[6] H. Seo, J. Lee, D. Jung, B. Han, and M. Cho, "Attentive Semantic Alignment with Offset-Aware Correlation Kernels," in *European Conference on Computer Vision (ECCV)*, Munich, Germany, Sep 2018.

* Equal Contribution

AWARDS & SCHOLARSHIPS	▪ Best Presentation Awards at IPIU 2019 For outstanding poster presentation.	Feb 2019

TEACHING & ADVISING

TEACHING ASSISTANT (TA) FOR UNDERGRADUATE COURSE

▪ Object-Oriented Programming (OOP)	Mar 2017 – Aug 2017
▪ Automata and Formal Language	Sep 2017 – Dec 2017
▪ Automata and Formal Language	Sep 2018 – Dec 2018

TA FOR INDUSTRY ORIENTED COURSE

▪ AI expert training course for POSCO	Mar 2017 – Oct 2017
• Introduction to the Python Programming	
• Computer Vision	
▪ Machine Learning expert training course for Samsung DS	May 2017 – Jun 2017
• Introduction to the Python Programming	
• Computer Vision	
▪ AI Programming for Job Seeker	Sep 2017
• Introduction to the Python Programming	
▪ AI Industry Professional Training for Gyeongsangbuk-Do	Dec 2017
• Computer Vision	
▪ AI expert training course for POSCO	Jun 2018 – Jul 2018
• Computer Vision	
▪ AI expert training course for POSCO	Jul 2019 – Aug 2019
• Computer Vision	
▪ AI expert training course for POSCO	Mar 2022 – Mar 2022
• Introduction to the Python Programming	

LANGUAGE SKILLS

Korean (native), English (fluent)

[CV compiled on 2024-09-05]