

Sangryul Jeon

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| [CV](#) | [Google Scholar](#) | [LinkedIn](#) |

I am currently a postdoctoral scholar in Electrical Engineering and Computer Science at [University of Michigan](#) and an affiliated researcher at [UC Berkeley/ICSI](#) advised by [Prof. Stella X. Yu](#).

I obtained my B.S., and Ph.D. degrees advised by [Prof. Kwanghoon Sohn](#) in School of Electrical and Electronic Engineering from [Yonsei University](#) in 2016 and 2022, respectively. I was a research intern with researchers [Zhifei Zhang](#) and [Zhe Lin](#) in Creative Intelligence Lab of [Adobe Research](#) from June 2021 to November 2021.

My current research centers on analyzing local environments of an object or scene of interest without the need of supervision but driven by visual correspondences.



University of Michigan
Postdoctoral scholar
Mar. 23 - Present



UC Berkeley/ICSI
Affiliated researcher
Mar. 22 - Present



Adobe research
Research intern
May. 21 - Nov. 21



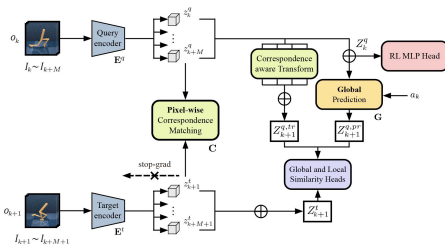
Yonsei university
Doctor of philosophy
Mar. 16 - Feb. 22

News

- [03/2023] One paper accepted by **CVPR 2023**
- [03/2023] Joined **University of Michigan** as a postdoctoral scholar
- [12/2022] One paper accepted by **BMVC 2022** has been published
- [10/2022] One paper accepted by **BMVC 2022** as **Spotlight** presentation
- [09/2022] One paper accepted by **NeurIPS 2022**
- [08/2022] One paper accepted by **ECCV workshop 2022**
- [03/2022] Joined **UC Berkeley / ICSI** as a postdoctoral scholar

Selected Publications

Please see my [Google Scholar](#) profiles for the full list

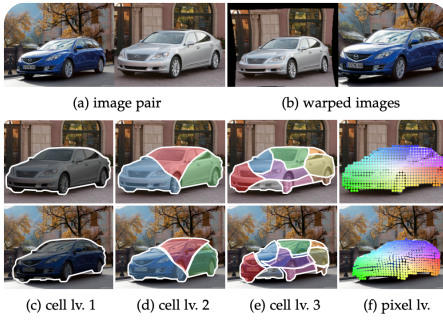


Local-guided Global: Paired Similarity Representation for Visual Reinforcement Learning

Hyesong Choi, Hunsang Lee, Wonil Song, [Sangryul Jeon](#), Dongbo Min, Kwanghoon Sohn

CVPR 2023

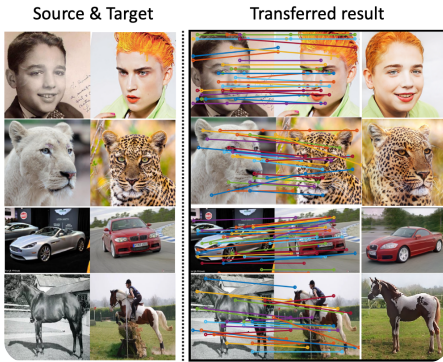
[abstract](#) | [paper](#)



Pyramidal Semantic Correspondence Networks

Sangryul Jeon, Seungryong Kim, Dongbo Min, Kwanghoon Sohn
TPAMI 2022

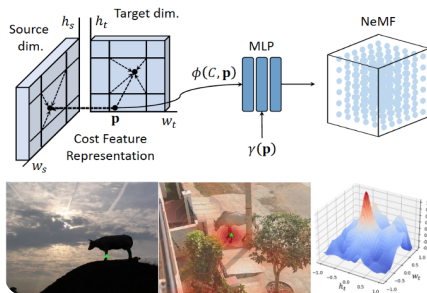
[abstract](#) | [paper](#)



COAT: Correspondence-driven Object Appearance Transfer

Sangryul Jeon, Zhifei Zhang, Zhe Lin, Scott Cohen, Zhihong Ding, Kwanghoon Sohn
BMVC 2022 (Spotlight presentation)

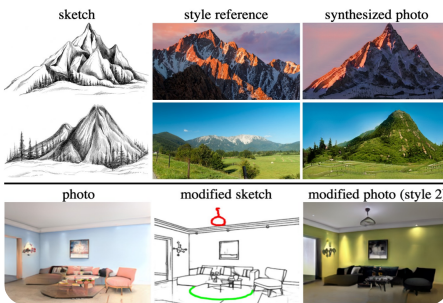
[abstract](#) |



Neural Matching Fields: Implicit Representation of Matching Fields for Visual Correspondence

Sunghwan Hong, Jisu Nam, Seokju Cho, Susung Hong, Sangryul Jeon, Dongbo Min, Seungryong Kim
NeurIPS 2022

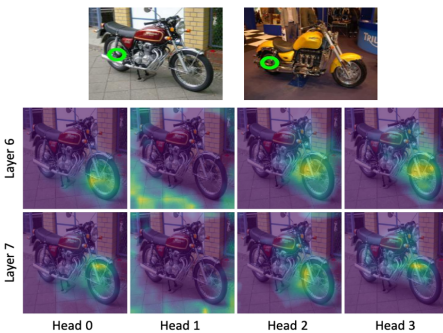
[abstract](#) | [paper](#)



Unsupervised Scene Sketch to Photo Synthesis

Jiayun Wang, Sangryul Jeon, Stella X. Yu, Xi Zhang, Himanshu Arora, Yu Lou
ECCV Workshop 2022 - AIM: Advances in Image Manipulation workshop and challenges

[abstract](#) | [paper](#) | [media](#)



CATs: Cost Aggregation Transformers for Visual Correspondence

Seokju Cho*, Sunghwan Hong*, Sangryul Jeon, Yunsung Lee, Kwanghoon Sohn, Seungryong Kim

NeurIPS 2021

(* indicates equal contribution)

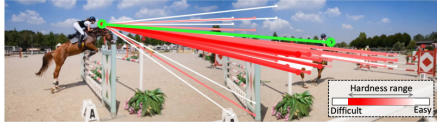
[abstract](#) | [paper](#)



(a) image pair



(b) collected positive correspondences

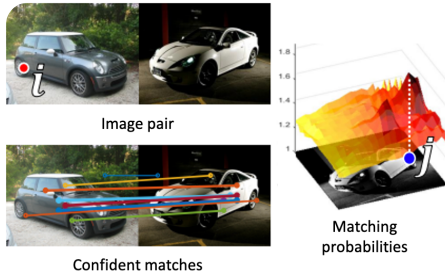


(c) collected negative correspondences for a positive one (green-colored)

Mining Better Samples for Contrastive Learning of Temporal Correspondence

Sangryul Jeon, Dongbo Min, Seungryong Kim, Kwanghoon Sohn
CVPR 2021

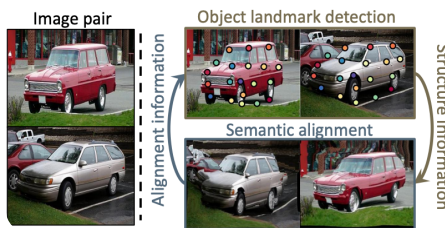
[abstract](#) | [paper](#)



Guided Semantic Flow

Sangryul Jeon, Dongbo Min, Seungryong Kim, Kwanghoon Sohn
ECCV 2020

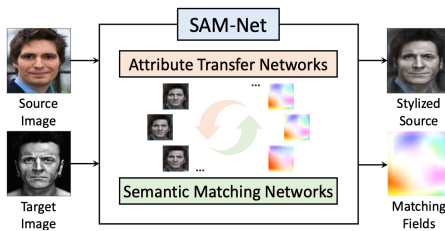
[abstract](#) | [paper](#)



Joint Learning of Semantic Alignment and Object Landmark Detection

Sangryul Jeon, Dongbo Min, Seungryong Kim, Kwanghoon Sohn
ICCV 2019

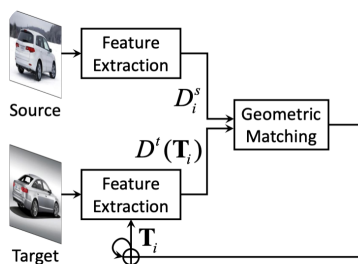
[abstract](#) | [paper](#)



Semantic Attribute Matching Networks

Seungryong Kim, Dongbo Min, Somi Jeong, Sunok Kim, Sangryul Jeon, Kwanghoon Sohn
CVPR 2019

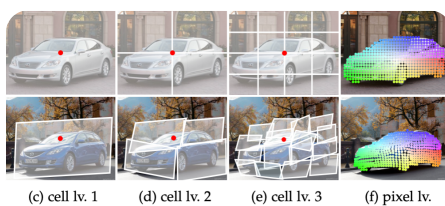
[abstract](#) | [paper](#)



Recurrent Transformer Networks for Semantic Correspondence

Seungryong Kim, Stephen Lin, Sangryul Jeon, Dongbo Min, Kwanghoon Sohn
NeurIPS 2018 (Spotlight presentation)

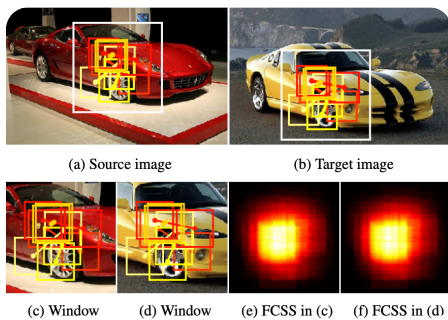
[abstract](#) | [paper](#)



PARN: Pyramidal Affine Regression Networks for Dense Semantic Correspondence

Sangryul Jeon, Seungryong Kim, Dongbo Min, Kwanghoon Sohn
ECCV 2018

[abstract](#) | [paper](#)



FCSS: Fully Convolutional Self-Similarity for Dense Semantic Correspondence

Seungryong Kim, Dongbo Min, Bumsuh Ham, Sangryul Jeon, Stephen Lin, Kwanghoon Sohn
CVPR 2017

[abstract](#) | [paper](#)

Professional Activity

- Reviewer: CVPR 2020-2022, ICCV 2021, ECCV 2022, NeurIPS 2020-2022, ICLR 2021-2023, ICML 2021-2022, ACCV 2020-2022, WACV 2021-2022, Pattern Recognition, Neurocomputing

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