

# Josip Šarić

Zagreb, Croatia

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github.com/jsaric

## WORK EXPERIENCE

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**University of Ljubljana, Faculty of Computer and Information Science, Slovenia**

Postdoctoral Research Assistant (MSCA SMASH Fellow)

Sep 2024 – present

**University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia**

Postdoctoral Researcher

Oct 2022 – Sep 2024

**University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia**

Research Assistant

Jul 2018 – Oct 2022

## EDUCATION

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**University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia**

PhD in Computer Science; Thesis: Joint forecasting of features and feature motion for semantic future prediction in video

Nov 2018 – July 2022

**University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia**

MSc in Computer Science, **summa cum laude**

Oct 2016 – Jul 2018

**University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia**

BSc in Computer Science

Sep 2013 – Jul 2016

## PUBLICATIONS

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- Weakly supervised training of universal visual concepts for multi-domain semantic segmentation. P.Bevandić, M. Oršić, **J.Šarić**, I.Grubišić, S.Šegvić. IJCV 2024.
- MC-PanDA: Mask Confidence for Panoptic Domain Adaptation. I.Martinović, **J.Šarić**, S.Šegvić. Accepted for publication at ECCV 2024.
- On Advantages of Mask-Level Recognition for Outlier-Aware Segmentation. M.Grcić, **J.Šarić**, S.Šegvić. Proc CVPRW 2023.
- Panoptic SwiftNet: Pyramidal Fusion for Real-time Panoptic Segmentation. **J.Šarić**, M.Oršić, S.Šegvić. Remote Sensing 2023.
- Multi-domain semantic segmentation with overlapping labels. P.Bevandić, M.Oršić, I.Grubišić, **J.Šarić**, S.Šegvić. Proc WACV 2022.
- Dense Semantic Forecasting in Video by Joint Regression of Features and Feature Motion. **J.Šarić**, S.Vražić, S.Šegvić. IEEE TNNLS 2021.
- Warp to the Future: Joint Forecasting of Features and Feature Motion. **J.Šarić**, M.Oršić, T. Antunović, S.Vražić, S.Šegvić. Proc CVPR 2020.
- Single Level Feature-to-Feature Forecasting with Deformable Convolutions. **J.Šarić**, M.Oršić, T. Antunović, S.Vražić, S.Šegvić. Proc GCPR 2019.

## CERTIFICATES, AWARDS AND GRANTS

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Postdoc fellowship

Sep 2024, Ljubljana

- Postdoctoral research grant awarded by SMASH program co-funded by the Marie Skłodowska-Curie Actions COFUND.

Faculty Science Award

Nov 2020, Zagreb

- our research team received annual faculty science award for outstanding research in semantic segmentation

Bronze Plaque "Josip Loncar"

Nov 2018, Zagreb

- awarded for the outstanding performance in masters study of Computer Science at the University of Zagreb, Faculty of Electrical Engineering and Computing

## TECHNICAL SKILLS

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Advanced

- **Python, Pytorch, Numpy, Linux** – used for research and development

Basic

- **Java, C, C++, Tensorflow** – used in university courses and projects