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Dimitrije Antić

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Education

PhD. in Computer Vision **University of Amsterdam, Netherlands** **March 2023 – exp. March 2027**

- Supervised by Prof. Tzionas, co-advised by Prof. Gevers.
- Working on 3D perception of humans in interaction (with objects and each other).

MSc. in Machine Learning **University of Tübingen, Germany** **October 2020 – February 2023**

- Graduate Coursework: Deep Learning, Computer Vision, Reinforcement Learning, Deep Learning for Vision and Graphics, Self-Driving Cars, Probabilistic ML, Statistical ML, Mathematics for ML, Data Compression with Deep Probabilistic Models, ML in Renewable Energy Systems, Game Theory in Multi-Agent Systems, Data Mining, Data Literacy
- Master Thesis: *Interactive 3D Clothing Segmentation* supervised by Garvita Tiwari, Dr. Riccardo Marin and Prof. Gerard Pons-Moll.

BSc. in Informatics **University of Belgrade, Serbia** **October 2016 – June 2020**

- BSc. in Informatics with a Minor in Mathematics.
- 4 years bachelors program in Informatics with a focus on mathematical foundations of computer science.

High School Diploma **Mathematical Grammar School, Serbia** **October 2012 – June 2016**

- High school specialized for highly gifted students in the fields of Mathematics, Physics, and Informatics.
- Website: <https://www.mg.edu.rs/>

Peer-Reviewed Publications

- *"SDFit: 3D Object Pose and Shape by Fitting a Morphable SDF to a Single Image*. **Dimitrije Antić**, Georgios Paschalidis, Shashank Tripathi, Theo Gevers, Sai Kumar Dwivedi, Dimitrios Tzionas. In *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, 2025.
- *"InteractVLM: 3D Interaction Reasoning from 2D Foundational Models*. Sai Kumar Dwivedi, **Dimitrije Antić**, Shashank Tripathi, Omid Taheri, Cordelia Schmid, Michael J. Black, Dimitrios Tzionas. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025.
- *"3D Whole-Body Grasp Synthesis with Directional Controllability"*. Georgios Paschalidis, Romana Wilschut, **Dimitrije Antić**, Omid Taheri, Dimitrios Tzionas. In *International Conference on 3D Vision (3DV)*, 2025.
- *"CloSe: A 3D Clothing Segmentation Dataset and Model"*. **Dimitrije Antić**, Garvita Tiwari, Riccardo Marin, Gerard Pons-Moll. In *International Conference on 3D Vision (3DV)*, 2024.
- *"Pose-NDF: Modelling Human Pose Manifolds with Neural Distance Fields"*. Garvita Tiwari, **Dimitrije Antić**, Jan Eric Lenssen, Nikolaos Sarafianos, Tony Tung, Gerard Pons-Moll. In *European Conference on Computer Vision (ECCV)*, 2022.
- *"On the Pitfalls of Heteroscedastic Uncertainty Estimation with Probabilistic Neural Networks"*. Maximilian Seitzer, Arash Tavakoli, **Dimitrije Antić**, Georg Martius. In *International Conference on Learning Representations (ICLR)*, 2022

Awards and Scholarships

- **Winner of RHOBIN Workshop (CVPRw) human contact estimation challenge**: Our work InteractVLM won the human contact estimation from a single image challenge at the 3rd RHOBIN Workshop held in conjunction with CVPR'25.
- **Best Paper Honorable Mention** *European Conference on Computer Vision (ECCV)*, 2022 for the publication *Pose-NDF: Modelling Human Pose Manifolds with Neural Distance Fields*

- **Dositeja Fund for Young Talents of Serbia: (2023-present)** A prestige scholarship given by *Ministry of Education, Science and Technological Development of the Republic of Serbia* for exceptional doctoral students (top 10 PhD students).
- **Scholarship for exceptionally gifted students: (2018-2023)** A scholarship given by *Ministry of Education, Science and Technological Development of the Republic of Serbia*.

Research Experience

Doctoral Researcher **University of Amsterdam** **March 2023 – present**

Computer Vision Lab

- Supervised by Prof. Tzionas, co-advised by Prof. Gevers.
- Group website: <https://ivi.fnwi.uva.nl/cv/>

Master's Thesis Project **University of Tübingen** **September 2022 – February 2023**

Real Virtual Humans Group

- Topic: Interactive 3D Clothing Segmentation from Human Scans
- Supervisors: Prof. Gerard Pons-Moll, Dr. Riccardo Marin and Garvita Tiwari.
- Group website: <http://virtualhumans.mpi-inf.mpg.de/>

Research Assistant **University of Tübingen** **September 2021 – March 2023**

Real Virtual Humans Group

- Supervisors: Prof. Dr. Gerard Pons-Moll and Garvita Tiwari.
- Group website: <http://virtualhumans.mpi-inf.mpg.de/>

Research Assistant **Max Planck Institute (MPI-IS)** **March 2021 – Sep 2021**

Autonomous Learning Group

- Supervisors: Dr. Georg Martius and Maximilian Seitzer.
- Group website: <https://al.is.mpg.de/>

Referral Contacts

- **Dr. Dimitrios Tzionas** Asst. Professor at University of Amsterdam
 - Website: <https://dtzionas.com/>
 - Email: d.tzionas@uva.nl
- **Prof. Dr. Theo Gevers** Full Professor at University of Amsterdam
 - Website: <https://staff.science.uva.nl/th.gevers/>
 - Email: th.gevers@uva.nl
- **Dr. Riccardo Marin** Asst. Professor at Technical University of München
 - Website: <https://ricma.netlify.app/>
 - Email: riccardo.marin@tum.de
- **Prof. Dr. Gerard Pons-Moll** Full Professor at University of Tübingen
 - Website: <https://virtualhumans.mpi-inf.mpg.de/people/pons-moll.html>
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