Janis Postels

+41 76 7220735
jpostels@ethz.ch
Google Scholar
github.com/janisgp

EDUCATION

ETH Zurich · Zurich, Switzerland
PhD Candidate · *02.2020 - now*
- Efficient estimation of epistemic uncertainty in deep neural networks.
  Supervised by Prof. Luc Van Gool.
  Closely mentored by PD Dr. Federico Tombari (Google, TU Munich).
- Fully funded by Google.

Technical University Munich · Munich, Germany
Robotics, Cognition, Intelligence (M.Sc., with distinction) · *10.2017 - 07.2019*
- Thesis: Sampling-free estimation of epistemic uncertainty in deep neural networks.
  Supervised by PD Dr. Federico Tombari.

Ruprecht-Karls-Universität Heidelberg · Heidelberg, Germany
Physics (B.Sc., with distinction) · *10.2011 - 03.2016*
- Thesis in computational optics: Phase retrieval on the basis of the transport-of-intensity equation.
  Supervised by Prof. Karl-Heinz Brenner.

Tsinghua University · Beijing, China
Physics (Exchange) · *09.2013 - 07.2014*

EXPERIENCE

ETH Zurich · Zurich, Switzerland
Research Assistant · *02.2020 - now*
- Teaching assistant for Image Analysis and Computer Vision.

Qualcomm AI Research · Amsterdam, Netherlands
Research Scientist · *08.2019 - 02.2020*
- Source compression using deep learning.
  Supervised by Taco Cohen.

Autonomous Intelligent Driving GmbH (now Argo AI) · Munich, Germany
Working Student & Master Thesis · *10.2018 - 06.2019*
- Uncertainty estimation in deep neural networks and multi-task learning.
  Supervised by Dr. Francesco Ferroni.

E-bot7 (Startup) · Munich, Germany
Working Student · *06.2018 - 09.2018*
- Sentiment prediction and similarity search in NLP using Deep Learning applied to chatbots.

Allianz · Munich, Germany
Working Student · *01.2018 - 05.2018*
- Analysing financial data using pattern search in multi-variate time series

SPECTRUM AG · Stuttgart, Germany
IT Consultant · *08.2016 - 07.2017*

PUBLICATIONS

Sampling-free Epistemic Uncertainty Estimation Using Approximated Variance Propagation
Janis Postels, Francesco Ferroni, Huseyin Coskun, Nassir Navab, Federico Tombari
International Conference on Computer Vision 2019 (Oral)

The OOD Blind Spot of Unsupervised Anomaly Detection

Matthaeus Heer, **Janis Postels**, Xiaoran Chen, Ender Konukoglu, Shadi Albarqouni

Medical Imaging with Deep Learning 2021

Variational Transformer Networks for Layout Generation

Diego Martin Arroyo, **Janis Postels**, Federico Tombari

Conference on Computer Vision and Pattern Recognition 2021

Go with the Flows: Mixtures of Normalizing Flows for Point Cloud Generation and Reconstruction

Janis Postels, Mengya Liu, Riccardo Spezialetti, Luc Van Gool, Federico Tombari

International Conference on 3D Vision 2021

AWARDS & OTHER ACTIVITIES

Winner of Huawei Tech Challenge at Technical University Munich   *01.2019*

Offline transcription app on mobile device powered by Huawei's latest Neural Processing Unit

Finalist of Startup Challenge at London School of Economics   *03.2018*

Online platform for intelligent data collection

Student Consultant at GalileiConsult. e.V.   *11.2012 - 10.2015*

Head of HR. Several IT projects with medium-sized German companies.

SKILLS

Techincal

- Python
- Tensorflow, PyTorch
- C++
- Java

Language

- German (native)
- English (fluent, TOEFL: 119)
- Chinese (beginner - intermediate)