

Personal Data

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Education

10/2021-now **University of Stuttgart, Stuttgart, Germany, M.Sc**
Electronic and Information Engineering
• Cores: Deep Learning, Detection and Pattern Recognition, Statistical and Adaptive Signal
08/2017-06/2021 **Beijing Institute of Technology, Beijing, China, B.Sc.**
Electronic and Information Engineering
• Cores: Digital Signal Processing, Computer Principle and Application, Random Signal Analysis

Internship

08.2023-01.2024 **Mercedes-Benz Group AG**
• Build AGV-Times-Net model for assembly line and predict real-time cycle time

Project Experience

01.2024-now **Mipmap-GS: Let Gaussians Deform with Scale-specific Mipmap for Anti-aliasing Rendering (Master Thesis)**
• Mitigate zoom-in and zoom-out alias of 3DGS
• Optimize 3D Gaussians adaptively using a self-supervised strategy
04.2023-09.2023 **Generate Camouflage Objects using Stable Diffusion**
• Design a plug-in adapter to finetune stable diffusion
• Create segmentation masks based on prompt attention map
10.2022-04.2023 **Pretrain Channel Charting with Free Space Model**
• Build a free space model to generate channel state information
• Pretrain the triplet-based model with synthesis dataset
10.2022-02.2023 **Diabetic Retinopathy Detection**
• Diagnose diabetic retinopathy based on pretrained ResNet50
• Ben-Graham processing, Grad-CAM visualization
Human Activity Recognition
• Build time series input pipeline for sequence from wearable devices
• Detect human activities using LSTM/GRU
01.2021-06.2021 **Hyperspectral Image Classification with Morphological Filters (Bachelor Thesis)**
• Construct morphological filters for preprocessing
• Reduce dimension with PCA and classify remote sensing images by SVM

Skills and Language

Computer Skills Python (Pytorch and Tensorflow, Numpy, Pandas, Matplotlib), MATLAB, C, Git, Ubuntu und Linux, Latex
Language English (IELTS: 7, GRE: 323), German (TestDaF: 17)
Chinese: native language