

# Yigit Baran Can

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## EDUCATION

<b>PhD Candidate, ETH Zurich</b> Computer Vision Lab <i>Research topics:</i> Structured representations, scene understanding, autonomous driving, 3D reconstruction <i>Supervisor:</i> Prof. Dr. Luc Van Gool	2019-Present
<b>MSc, ETH Zurich</b> Electrical Engineering & Info Tech. <i>Thesis:</i> Robust Segmentation Of Multimodal MRI Scans In The Presence Of Missing Modalities <i>Supervisor:</i> Prof. Dr. Ender Konukoglu	2017-2019
<b>BSc, Bilkent University</b> Electrical and Electronics Engineering	2013-2017
<b>TED Ankara College Foundation Private High School</b> Scientist Training Program, <b>Valedictorian</b>	2013-2017

## EXPERIENCE

<b>Teaching Assistant</b> Image Analysis and Computer Vision Course, ETH Zurich	2020 – Present
<b>Research Assistant</b> Computer Vision Lab, ETH Zurich	2017 – 2019
<b>Research Assistant</b> National MR Research Centre, Bilkent University	2016 – 2017

## SELECTED PUBLICATIONS

<u>Yigit Baran Can</u> , Alexander Liniger, Danda Paudel, Luc Van Gool <b>Piecewise Planar Hulls for Semi-Supervised Learning of 3D Shape and Pose from 2D Images</b> Preprint at: <a href="https://arxiv.org/abs/2211.07491">https://arxiv.org/abs/2211.07491</a>	Submitted 2022
<u>Yigit Baran Can</u> , Alexander Liniger, Danda Paudel, Luc Van Gool <b>End-to-End Learning of Multi-category 3D Pose and Shape Estimation</b>	BMVC 2022
<u>Yigit Baran Can</u> , Alexander Liniger, Danda Paudel, Luc Van Gool <b>Topology Preserving Local Road Network Estimation from Single Onboard Camera Image</b>	CVPR 2022
<u>Yigit Baran Can</u> , Alexander Liniger, Danda Paudel, Luc Van Gool <b>Understanding Bird's-Eye View of Road Semantics using an Onboard Camera</b>	RAL 2022
<u>Yigit Baran Can</u> , Alexander Liniger, Danda Paudel, Luc Van Gool <b>Structured Bird's-Eye-View Traffic Scene Understanding from Onboard Images</b>	ICCV 2021
Berk Kaya, <u>Yigit Baran Can</u> , Radu Timofte <b>Towards spectral estimation from a single RGB image in the wild</b>	ICCVW 2019
<u>Yigit Baran Can</u> , Radu Timofte <b>An efficient CNN for spectral reconstruction from RGB images</b>	CVPRW 2018
<u>Yigit Baran Can</u> , K. Chaitanya, B. Mustafa, LM Koch, Ender Konukoglu, CF Baumgartner <b>Learning to Segment Medical Images with Scribble-supervision Alone (Best Paper)</b>	DL Mia 2018
<u>Yigit Baran Can</u> , E Ilıcak, T Çukur <b>Fast 3D Variable-FOV Reconstruction for Parallel Imaging with Localized Sensitivities</b>	ISMRM 2017

## HONORS

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Reviewer for major conferences (CVPR, ICCV, ICRA, MICCAI)	2021 -
Best Paper Award in Deep Learning in Medical Image Analysis Workshop (MICCAI)	2018
Recipient of Bilkent University Comprehensive Scholarship	2013-2017
Recipient of Turkish Presidential Scholarship	2013-2017
Recipient of IsBank Academic Achievement Award	2013
Scored in top 10 in National University Entrance Exams	2013
TUBITAK Scientific Project Finalist	2013
Math Olympics Team	2009 - 2013

## LANGUAGES

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**Turkish:** Mother tongue  
**English:** Advanced  
**German:** Intermediate  
**Spanish:** Beginner

## INTERESTS

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Classical & Electrical guitar player  
Licensed chess player  
Licensed basketball player (Played in Turkish Youth League 2010-2012)