



Robin Baumann

Computer Vision Engineer

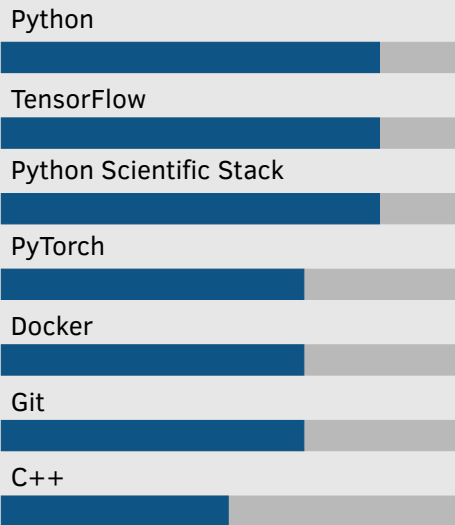
- 08 October 1996
- Karlsruhe, Germany
- robinbaumann.github.io

About me

I received my MSc degree with distinction from Karlsruhe University of Applied Sciences, where I specialized in Machine Learning. I am particularly interested in Computer Vision and its intersection with Computer Graphics.

I like to spend my free time doing all kinds of sports. For example, I currently prepare for a triathlon. To expand my knowledge, I read non-fiction books about different topics and enjoy spending time outdoors with my friends. My other passion besides sports is music. As such, I play the Saxophone and enjoy going to festivals and concerts.

Skills



The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).

Education

- 2019-2021 Karlsruhe University of Applied Sciences
M.Sc. in Computer Science, Final Grade: 1,2 (GPA equivalent: 4,0)
- 2015-2018 Baden-Württemberg Cooperative State University
B.Sc. in Computer Science. Final Grade: 1,4 (GPA equivalent: 3,7)

Employment History

- 2021 - today Data Scientist inovex GmbH
Mostly Computer Vision Projects
 - Image recognition and unsupervised segmentation.
- 2019 - 2021 Working Student inovex GmbH
Several Deep Learning and Data Science projects.
 - Deep Learning for mobile devices with TensorFlow Lite
- 2018 - 2019 Big Data Scientist inovex GmbH
Projects in Deep Learning and Data Engineering.
 - Point Cloud Classification for iOS Application with TensorFlow
- 2015 - 2018 Cooperative Student of Applied Computer Science Testo SE & Co. KGaA
Circled through many teams in the R&D department.

Projects

- 2021 Master Thesis inovex GmbH
"Autodecoders for 3D shape completion from deficient 3D input"
 - Reconstruction of articulated and non-articulated shapes from single-view depth maps using autodecoders.
- 2020 Google Summer of Code TensorFlow
Implemented Mesh R-CNN and Pix3D in TensorFlow Graphics.
- 2018 Bachelor Thesis Testo Visual Systems GmbH
"Classification of reconstructed 3D structures based on object recognition of facade elements in multiple images"
 - Integrate Object Detection CNN into Structure from Motion pipeline
 - Fuse semantic information from CNN into 3D reconstruction

Interpersonal Skills

I always try to build rapport with my co-workers. I do so by engaging in discussions and offer to stand by for rubber duck debugging. I always try to lead by example and am a reliable co-worker. One of my strengths is to stay calm and perform consistently in stressful projects and prior to deadlines.



For an overview of my work and publications check out my website!