

**Eric Brachmann**  
Staff Scientist  
Niantic  
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## Degrees:

Dr. rer. nat. (PhD equivalent) at TU Dresden, 2018  
in the field of computer vision and machine learning  
advised by Prof. Gumhold (TU Dresden) and Prof. Rother (University Heidelberg)  
awarded with *Summa Cum Laude*

Diplom (Master equivalent) at TU Dresden, 2012  
in media computer science  
passed with distinction

## Research Background:

Since 2020     Researcher at Niantic

2019-2020     Guest at the Leibnitz Universität Hannover in the group of Prof. Rosenhahn

2017-2020     Research Associate in the VL Lab of Prof. Rother at University Heidelberg

2017 - 2018     Guest at the Center for Systems Biology Dresden in the group of Florian Jug

09/2016 -  
11/2016     Research Visit, Microsoft Research Cambridge  
(Host: Sebastian Nowozin)

2012 - 2017     Research associate and PhD student at TU Dresden,  
partly Computer Graphics and Visualization Lab of Prof. Gumhold,  
partly Computer Vision Lab Dresden of Prof. Rother

2006 - 2012     Studies of media and computer science at TU Dresden

## Reviewing Activities:

- Area Chair: ECCV 24, WACV 24
- Outstanding Reviewer: CVPR 19, NeurIPS 19 (Top 400), ICCV 21
- Reviewer: CVPR 18/19/20/21/22, ICCV 19/21/23, ECCV 18/22, NeurIPS 19, TPAMI 18/19/20/21/22/23, IJCV 18, JMLR 19, ICRA 18/19/20/21/23, IROS 17/18/19/20/21/22/23, RA-L 17/19/20/21/23, T-RO 20/23, GCPR 15/17/18

## Tutorials and Workshops:

- Co-Organizer of Visual Localization Tutorials at ECCV 18, ICCV 19/21, CVPR 23
- Co-Organizer of the International Workshop on Recovering 6D Object Pose (R6D), 5<sup>th</sup>-8<sup>th</sup> edition, ICCV 19/23, ECCV 20/22

## Talks:

- Invited Speaker at the third Monocular Depth Estimation Challenge, CVPR Workshop, 2024
- Invited Speaker at UIUC Vision External Speaker Series, 2023
- Invited Speaker at Image Matching: Local Features & Beyond, CVPR Workshop, 2023
- Invited Speaker at FiveAI Vision Seminar, 2020
- Invited Speaker at Workshop on Geometry Meets Deep Learning, ECCV Workshop, 2018
- Invited Speaker at Workshop on Learnable Representations for Geometric Matching, CIIRC Prague, 2017

## Awards:

- 2018      **Nominated for GI Dissertation Award 2018 by the TU Dresden** (each university in Germany, Austria and Switzerland nominates one computer science dissertation for the award, annually)
- 2014      **ACCV Honorable Mention Demo Award** (for our paper: Learning Analysis-by-Synthesis for 6D Pose Estimation in RGB-D Images)
- 2012      **Enno Heidebroek Award** (awarded to the best graduates of the engineering department of the TU Dresden)
- 2008 - 2012      **Scholarship of the German National Academic Foundation** (awarded to students with exceptional academic performance, extracurricular interests, and social commitment)
- 2008      **IBM Award** (awarded to students with an exceptional intermediate diploma)

## Teaching Experience:

**Preparation of lectures** for *Computer Vision I* (Prof. Rother, TU Dresden, 2015-2017), *Reconstructing and Understanding the 3D World* (Prof. Rother, Heidelberg University, 2018); **organizing and conducting exercises** accompanying *Computer Graphics I* (Prof. Gumhold, TU Dresden, 2013-2017); **supervisor of numerous Diploma, Master and Bachelor theses** with focus on computer vision and machine learning, **conducting practical courses and seminars** with focus on computer vision and robotics

## Publications:

Please see my [website](#) or [Google Scholar](#) for an up-to-date list.