

I AM RWTH AND
GEORGIA TECH ALUMNI
DAVID STUTZ
PHD STUDENT AT MPII/SAARLAND UNIVERSITY

EDUCATION

MPI for Informatics & Saarland University

Ph.D. Computer Science (expected 2020)

Advisor: Prof. Bernt Schiele

10/2017 – today, Saarbrücken

RWTH Aachen University

M.Sc. Computer Science, Top of Class (GPA: 1.0)

Thesis: "Shape Completion from Bounding Boxes with CAD Shape Priors"

Advisors: Dr. Andreas Geiger, Prof. Bastian Leibe

B.Sc. Computer Science, with Distinction (GPA: 1.1)

Thesis: "Superpixel Segmentation using Depth Information"

Advisors: Alexander Hermans, Prof. Bastian Leibe

10/2011 – 09/2017, Aachen

MPI for Intelligent Systems & ETH Zürich

Pre-Doc Summer School on Learning Systems

7/2017, Zürich

Georgia Institute of Technology

Graduate Exchange Student (GPA: 4.0)

01/2015 – 05/2015, Atlanta

Coursera, edX, Kadenze

11 courses in computer science and finance.

AWARDS

RWTH Aachen University Dean's List 2012 – 2017

Germany Scholarship 2014 – 2017

Accenture Future Technology Leaders 2015 – 2017

Hans Hermann-Voss Scholarship 2015

careerloft.de Online Scholarship 2012 – today

e-fellows.net Online Scholarship 2011 – today

German Physical Society Book Price 2011

PUBLICATIONS

[1] D. Stutz, A. Hermans, B. Leibe. *Superpixels: An Evaluation of the State-of-the-Art*. CVIU, 2018.

[2] D. Stutz. *Superpixel Segmentation: An Evaluation*. GCPR, 2015.

Google Scholar: 44 citations, h-index 3

SERVICE

Reviewer for TIP (2018), TPAMI (2018)

PROJECTS

Blog davidstutz.de and GitHub

Computer vision, deep learning, research in general; web development; \LaTeX and Linux.

~756 unique visitors per day, >3k stars and >1.5k forks

SKILLS

C/C++ (CUDA, OpenCV, Boost), Python (Caffe, TensorFlow), Lua (Torch), MatLab, \LaTeX (PGF-Plots, TikZ), PHP, JavaScript (jQuery), SQL, HTML/CSS/LESS

Equipped with a unique set of skills from experience in industry and academia, I want to pursue original research in computer vision – to teach machines how *to learn* to see.

davidstutz@web.de – davidstutz.de

EXPERIENCE

MPI for Informatics

Research Assistant

Continuing research on weakly-supervised shape completion in point clouds; research regarding the interpretability and robustness of deep neural networks in adversarial settings; IT administrator.

10/2017 – today, Saarbrücken

MPI for Intelligent Systems

Student Research Assistant

Research on weakly-supervised shape completion in point clouds; implementation and launch of KITTI's 3D object detection benchmarks, see cvlibs.net/datasets/kitti/eval_3dobject.php.

01/2017 – 09/2017, Tübingen

Microsoft Ireland Research Limited

Software Engineering Intern

Part of the Office Marketplace Experience Team; design and implementation of features for Centralized Deployment allowing administrators to easily distribute and manage Office Add-Ins within organizations.

07/2016 – 09/2016, Dublin

MOBIS Parts Europe N.V.

Front Camera Intern

Development of an experimental prototype to evaluate deep learning techniques for pedestrian detection.

04/2016 – 06/2016, Frankfurt am Main

Computer Vision Group, RWTH Aachen University

Student Research Assistant

Research resulting in a comprehensive comparison of state-of-the-art superpixel algorithms; published at GCPR [2] and in CVIU [1].

05/2015 – 03/2016, Aachen

Fyusion Inc.

Research Scientist

Development of experimental prototypes tackling various computer vision problems including line segment and keypoint tracking, statistical clustering and pedestrian detection and tracking.

05/2015 – 03/2016, San Francisco, CA (working from Aachen)

MATHCCES, RWTH Aachen University

Tutor, "Calculus" and "Mathematical Foundations II"

Grading weekly assignments and the final exam; giving weekly tutorials for roughly 40 students.

10/2013 – 01/2014, 04/2014 – 09/2014, Aachen

RS Computer GmbH & Co. KG

Web Developer

Plugin and theme development for content management and e-commerce systems. Design and implementation of custom web applications for medium-sized companies.

01/2009 – 03/2014, 10/2014 – 04/2015, 10/2016 – 12/2016, Sinzig

Fraunhofer FKIE

Student Employee

Web analytics and data visualization.

10/2009, 05/2011 – 07/2011, 03/2012, 08/2012 – 09/2012, Wachtberg

Grades given in their original grading systems.

References upon request.

Last updated: February 14, 2018.