

## EDUCATION

### MPI for Informatics & Saarland University

Ph.D. Computer Science (expected 2020)

Advisor: Prof. Bernt Schiele

Extracurricular: *Interreligious Dialogue, Intercultural Competence, Good Scientific Practice and Communication*

10/2017 – today, Saarbrücken, GER

### RWTH Aachen University

M.Sc. Computer Science (Minor in Mathematics)

Graduated with Distinction (GPA 1.0 / 1.0)

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

Advisors: Prof. Andreas Geiger, Prof. Bastian Leibe

B.Sc. Computer Science (Minor in Mathematics)

Graduated with Distinction (GPA 1.1 / 1.0)

Thesis: *"Superpixel Segmentation using Depth Information"*

Advisors: Alexander Hermans, Prof. Bastian Leibe

Extracurricular: *Teaching Practices, Personality and Motivation, Time Management, Effective Reading*

10/2011 – 09/2017, Aachen, GER

### MPI for Intelligent Systems & ETH Zürich

Pre-Doc Summer School on Learning Systems

07/2017, Zürich, CHE

### Georgia Institute of Technology

Graduate Exchange Student (GPA 4.0 / 4.0)

Advisor: Prof. Irfan Essa

01/2015 – 05/2015, Atlanta, USA

### Coursera, edX, Kadenze

11 courses in computer science and economics.

### Gymnasium Calvarienberg

Abitur (GPA 1.2 / 1.0)

08/2002 – 03/2011, Ahrweiler, GER

## 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

German Junior Academy 2005

## PUBLICATIONS

[1] D. Stutz, A. Geiger. *Learning 3D Shape Completion under Weak Supervision*. ArXiv, 2018.

[2] D. Stutz, A. Geiger. *Learning 3D Shape Completion from Laser Scan Data with Weak Supervision*. CVPR, 2018.

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

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

Google Scholar: 94 citations, h-index 5

## EXPERIENCE

### MPI for Informatics, Research Assistant

Research regarding the robustness of deep neural networks in adversarial settings; IT administrator.

10/2017 – today, Saarbrücken, GER

### MPI for Intelligent Systems, Student Research Assistant

Research on weakly-supervised shape completion of point clouds [1, 2]; implementation of KITTI's 3D object detection benchmark.

01/2017 – 09/2017, Tübingen, GER

### Microsoft Ireland, Software Engineering Intern

Design and implementation of "Centralized Deployment" features allowing to easily distribute Office add-ins within organizations.

07/2016 – 09/2016, Dublin, IRL

### Hyundai MOBIS, Front Camera Intern

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

04/2016 – 06/2016, Frankfurt am Main, GER

### VCI, RWTH Aachen University, Student Research Assistant

Research resulting in a comprehensive comparison of state-of-the-art superpixel algorithms [3, 4].

05/2015 – 03/2016, Aachen, GER

### Fyusion, 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, Aachen, GER (office in San Francisco, USA)

### MATHCCES, RWTH Aachen University, Tutor

Grading weekly assignments and the final exam as well as giving weekly tutorials for "Calculus" and "Mathematical Foundations II".

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

### RS Computer, Web Developer

Plugin/theme development for content management and e-commerce systems; design and implementation of custom web applications.

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

### Fraunhofer FKIE, Student Employee

Implementation of web analytics and data visualization tools.

05/2011 – 07/2011, 03/2012, 08/2012 – 09/2012, Wachtberg, GER

## PROJECTS

Blog [davidstutz.de](http://davidstutz.de)

More than 750 unique visitors per day.

GitHub [github.com/davidstutz](https://github.com/davidstutz)

More than 90 repositories, 3.5k stars and 1.6k forks.

## SKILLS

Python (PyTorch, TensorFlow, Caffe), C/C++ (CUDA, OpenCV, Boost), Lua (Torch), MatLab,  $\LaTeX$  (PGFPlots, TikZ), PHP (Kohana, Wordpress), JavaScript (jQuery), SQL, HTML/CSS/LESS

Last updated: July 30, 2018.

Grades given in their original grading system.

References upon request.