

David Stutz

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Profile

Inspired by the elegant and simultaneously versatile world of computer science, I am a student eager to learn more in all its different disciplines. I focus on computer vision and machine learning – combining the depth of theory with the most interesting applications of today's world.

Academic Training

RWTH Aachen University, Aachen, Germany, 2011 – present

Master of Science in Computer Science, expected September 2016

Bachelor of Science in Computer Science, with Distinction (4.0 GPA), October 2014

Advisor: Prof. Dr. Bastian Leibe

Supapixel Segmentation using Depth Information

Georgia Institute of Technology, Atlanta, GA, January 2015 – May 2015

Graduate Exchange in Computer Science (4.0 GPA, Hans Hermann-Voss scholarship)

Gymnasium Calvarienberg, Ahrweiler, Germany, 2002 – 2011

Abitur (Very Good, A)

Majors: Physics, Mathematics, English, Geography

Awards and Scholarships

RWTH Aachen University Dean's List, 2014

RWTH Aachen University Education Fund (Germany Scholarship), 2014 – present

RWTH Aachen University Dean's List, 2013

Participation in the Selection Seminar of the German National Academic Foundation, 2013

RWTH Aachen University Dean's List, 2012

careerloft.de Scholarship, October 2012 – present

e-fellows.net Scholarship, May 2011 – present

German Physical Society Book Prize for Outstanding Merits in Physics, 2011

German Junior Academy for the Promotion of Young Talents, 2005

Research Experience

Visiting Graduate Student, Georgia Institute of Technology, Atlanta, GA, January 2015 – May 2015

Advisor: Prof. Irfan Essa, Ph.D.

Video segmentation using intrinsic characteristics.

Teaching Experience

Tutor, "Fundamentals of Mathematics II", MATHCCES, RWTH Aachen University, Aachen, Germany, April 2014 – September 2014

Responsibilities include presenting exercises to a group of 30 students and grading weekly homework.

Tutor, "Calculus for Students of Computer Science", MATHCCES, RWTH Aachen University, Aachen, Germany, October 2013 – March 2014

Responsibilities include presenting exercises to a group of 50 students and grading weekly homework as well as the final exam.

Work Experience

Web Developer, RS Computer, Sinzig, Germany, January 2009 – March 2014, October 2014 – present

Development of a Content Management System including theme and plugin development for Wordpress, CMSimple and xtCommerce. Design, development and maintenance of individual software for medium-sized companies.

Student Employee, Fraunhofer Institute for Communication, Information Processing and Ergonomics (FKIE), Wachtberg, Germany, August 2012 – September 2012

Data visualization using JavaScript and d3.js.

Student Employee, Fraunhofer Institute for Communication, Information Processing and Ergonomics (FKIE), Wachtberg, Germany, March 2012

Plugin development for Piwik (Open Source Web Analytics).

Student Employee, Fraunhofer Institute for Communication, Information Processing and Ergonomics (FKIE), Wachtberg, Germany, May 2011 – July 2011

Web development using PHP and Javascript based on a HMVC framework including a database connection to a MySQL database.

Intern, Fraunhofer Institute for Communication, Information Processing and Ergonomics FKIE, Wachtberg, Germany, October 2009

Introduction to C++ and 3D modeling using Blender.

Service and Memberships

Student Member, German Informatics Society, Germany, 2014 – present

Volunteer, Conference on Software Engineering, Aachen, Germany, 2013

Member, Society of Friends of the Saarland Mandolin Orchestras, Germany, 2013 – present

Member, Saarland Mandolin Orchestra, Germany, 2012 – present

Member, German Plucked String Federation, Germany, 2012 – present

Guitar Teacher, Music School Steps on Stage, Sinzig, Germany, 2011

Member, Saarland Mandolin Youth Orchestra, Germany, 2006 – 2008

Interests and Activities

Classical and electrical guitar with 16 years of experience including several prizes from the music competition "Jugend musiziert" for classical guitar ensemble, several guitar and mandolin seminars arranged by the German Plucked String Federation, teaching experience, and memberships in various mandolin orchestras, 1998 – present

Web development and open source including plugins and themes for the content management systems Wordpress and CMSimple, modules for the PHP framework Kohana as well as Twitter Bootstrap and jQuery plugins, 2009 – present

Massive Open Online Courses (MOOCs), including courses on cryptography, game theory, social network analysis, and linear and integer programming, 2012 – present