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# Lars Jebe

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## *EDUCATION*

**Stanford University, Stanford, CA** *Sep 2017 – Jun 2019*
Master of Science (M. Sc.) in Electrical Engineering, Final GPA: 4.13 / 4.30
Relevant classes (all A+): Machine Learning (CS 229), CNNs for Visual Recognition (CS 231N),
Digital Image Processing (EE 368), Computational Imaging (EE 367), Intro to Computer Graphics (CS 148)

**RWTH Aachen University, Aachen, Germany** *Oct 2013 – Mar 2017*
Electrical Engineering, Information Technology, Computer Engineering B. Sc.
Final Grade: 1.1, **Best student out of 603 graduates in the program**

## *PRACTICAL AND VOCATIONAL EXPERIENCE*

**Research Engineer (Computational Imaging), *Adobe*, San Jose, CA** *Apr 2021 – present*

**Sr. Member of Technical Staff (Compute Team) at *Stealth Startup*, Fremont, CA** *Sep 2019 – Jan 2021*
- Research in 3D Vision and Computer Graphics (3D Reconstruction and Novel View Synthesis)
- Creation of Neural Rendering models in Tensorflow and PyTorch (Python)
- Design and calibration of a synchronized multi-view RGBD capture system (Python, SolidWorks)
- Creation of automated image analysis scripts to support material science teams (Python)

**Course Assistant (CA) for *CS231N: Convolutional Neural Networks for Visual Recognition,* Stanford** *Apr - Jun 2019*

**Computational Imaging Intern, *Light*, Palo Alto** *Oct - Dec 2018*
- Research on Multi-View 3D Visual Search in collaboration with *IVMS Research Lab*

**Research Assistant at *IVMS Research Lab* (Prof. Girod), Stanford University** *Apr - Sep 2018*
- 3D point cloud registration algorithms and 3D shape description (MATLAB)

**Research Assistant at *Computational Imaging Lab* (Prof. Wetzstein), Stanford University** *Jan - Jun 2018*
- Robust Feature Detection in Light Field Images for Structure from Motion (C++, Python)

**Intern for Modelling and Control of Electrical Drives at *Daimler AG,* Stuttgart, Germany** *May - Aug 2017*
- Created MATLAB-Toolchain for automated evaluation of measurement data
- Implemented control algorithm for multiphase electrical drives with focus on NVH

**Research Assistant at *Institute for Power Electronics and Electrical Drives (ISEA)*** *Apr 2016 - Apr 2017*
- Research on instantaneous voltage measurements, published at IEEE INTELEC 2016
- Final bachelor thesis research on online sensor calibration, published at IEEE PEDS 2017

**Student Assistant (TA) at *Institute of Imaging & Computer Vision and IENT*, RWTH Aachen University**
- Preparation and teaching of four classes in *"Mathematical Methods in Electrical Engineering"* *Apr - Jul 2016*
- Preparation and teaching of six small classes in *"Signals and Systems"* *Oct 2014 - Mar 2015*

## *LEADERSHIP AND ENGAGEMENT*

**Vice President of the *Stanford German Student Association (SGSA)*** *Jun 2018 – Jun 2019*
- Director of Marketing for the *Transatlantic Sync Conference* under patron Gerhard Caspar

**Group Leader (Marketing) at *AC.E – Aachener Entrepreneurship Team e.V.*** *Apr 2016 - Apr 2017*

**Course instructor of the computer science project group *"IT4Kids"*** *Feb 2015 - Jul 2015*

**Student Engineer at *Ecurie Aix – Formula Student Team der RWTH Aachen e.V.*** *Jul 2014 - Aug 2015*

## *ACHIEVEMENTS AND AWARDS*

- ***German Academic Exchange Service (DAAD)* Fellowship for Graduate Studies** *Sept 2017 – Jun 2019*
- **Scholarship of the *German Academic Scholarship Foundation*** *Jul 2015 – Jun 2019*
- **Award of *the Association of German Electrical Engineers (VDE)*** *Feb 2016*
- **MATLAB Team Award for the best student project in robotics at *RWTH Aachen University*** *Feb 2014*