Curriculum Vitae - Elias Eulig

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Personal Data	Date of birth	30.09.1995
	Place of birth	Hanover, Germany
	Citizenship	German
Work	2019 - today	Visiting student researcher in the department of Radiology at Stanford University under supervision of Dr. Adam Wang. In a joint project, together with the Kachelrieß' group at the German Cancer Research Center, we are working on deep learning-based image reconstruction for 4D interventional guidance.
	2018 - today	Student researcher in the X-Ray Imaging and Computed Tomography group at the German Cancer Research Center (DKFZ) in Heidelberg under supervision of Prof. Dr. Marc Kachelrieß with main focus on development of deep learning methods for CT and x-ray imaging data.
	2017 - 2018	Student researcher in the Department of Connectomics at the Max Planck Institute for Brain Research in Frankfurt a.M. under supervision of Prof. Dr. Moritz Helmstaedter.
	2013 - 2014	*Voluntary scientific year* at the *Laser-Zentrum-Hanover*, organized by the *Hannover Medical School*. Here I had my first experiences doing research for the *MOMA (Mars Organic Molecule Analyser)* project under direction of Dr. Christian Kolleck and Dr. Jörg Neumann. In particular, I helped constructing laser systems, did various stress tests on prototypes for the *MOMA* laser, made engineering drawings using different CAD programs, and designed automated measurement systems as well as their software.
Education	2017 - today	Master of Physics at Heidelberg University.
	2017	Bachelor thesis written in the Department of Connectomics at the Max Planck Institute for Brain Research in Frankfurt a.M. under the supervision of Prof. Dr. Moritz Helmstaedter and Prof. Dr. Juergen Hesser on *Matching of axonal fragments using their morphological and synaptological properties*.
	2014 - 2017	Bachelor of Physics at Heidelberg University.
	2013	Abitur (High School Degree)
	2005 - 2013	Wilhelm-Raabe-Schule, Hanover
	2001 - 2005	Kardinal-Bertram-Schule, Hanover
Languages	German	mother tongue
	English	fluent
	French	basic knowledge (A2)

Computer Skills Proficient with *Matlab*, *Python* and the deep learning libraries *PyTorch* and *Tensorflow*. Furthermore I am familiar with *C++*, *Mathematica*, *R*, *LabVIEW* and *Origin* as well as with the CAD softwares *SolidWorks*, *AutoCAD* and *CATiA*.

Scholarships & Awards

2019	*PROMOS* travel scholarship of the *German Academic Exchange Service - Deutscher Akademischer Auslandsdienst (DAAD)* for my period of research at Stanford University.
2019	Travel scholarship of the *Society of High Performance Computational Imaging (SHPCI)* for my period of research at Stanford University.
2019	The presentation *Real-time patient-specific CT dose estimation for single- and dual-source CT using a deep convolutional neural network* by Joscha Maier, Elias Eulig, Sabrina Dorn, Stefan Sawall, and Marc Kachelrieß received the *Best Scientific Paper Presentation Award within the topic Artificial Intelligence and Machine Learning* of the ECR 2019.
2013	Award by the *Deutsche Physikalische Gesellschaft* (DPG) for the best Abitur in physics.

Extracurricular Activities

Active member of the German Social Democratic Party (*Sozialdemokratische Partei Deutschlands [SPD]*) and this party's student group.

Member of the *Deutsche Physikalische Gesellschaft* (DPG)

Various activities as delegate and official in sessions organised by the European Youth Parliament (EYP).