

MICHAEL ANTON BAUMGARTNER

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Mönchhofstraße 3c, 69120 Heidelberg

EDUCATION

RWTH Aachen University, Germany

October 2017 – September 2019

Master of Science in *Electrical Engineering, Information Technology and Computer Engineering*

Master's Thesis: *Joint Detection and Classification of Suspicious Lesions in Contrast Enhanced MRI* at the Institute of Imaging and Computer Vision (LfB)

RWTH Aachen University, Germany

October 2014 – September 2017

Bachelor of Science in *Electrical Engineering, Information Technology and Computer Engineering*

Bachelor's Thesis: *Calibration and Registration of a Multi-Camera System* at the Chair for Medical Information Technology (MedIT)

Gymnasium Marienschule, Germany, Euskirchen

August 2006 – July 2014

Emphasis: Mathematics, Physics

WORK EXPERIENCE

German Cancer Research Center (DKFZ), Medical Image Computing

November 2019 –

Current

Research Scientist

- Working on deep learning based Medical Object Detection.
- MONAI research working group Co-Chair (2022 - current).

Institute of Imaging and Computer Vision (LfB)

July 2019 – October 2019

Student Research Assistant

- Development of machine learning algorithms for computer aided detection and classification of cancer.

Daimler AG

April 2019 – September 2019

Internship

- Internship at Daimler Trucks in Highly Automated Driving. The internship aimed at designing computer vision based algorithms to identify extraordinary road situations on highways.

Institute for Automation of Complex Power Systems (ACS)

October 2016 – February 2017

Tutor Computer Science Lab 2

- Including advanced knowledge of C++ programming.

Institute for Human Machine Interaction (MMI)

April 2016 – July 2016

Tutor Computer Science Lab 1

- Including basic knowledge of C++ programming and data structures.

SELECTED PUBLICATIONS

Stroke

Taming DETR

nnDetection: A Self-configuring Method for Medical Object Detection

Baumgartner M., Jäger P.F., Isensee F., Maier-Hein K.H.

Medical Image Computing and Computer Assisted Intervention 2021

Multi Scale Curriculum CNN for Context-Aware Breast MRI Malignancy Classification
Haarburger, C., Baumgartner, M., Truhn, D., Broeckmann, M., Schneider, H., Schrading, S., Kuhl C.,
Merhof, D.
Medical Image Computing and Computer Assisted Intervention 2019, Oral Presentation

AWARDS AND COMPETITIONS

BVM Third Rank Best Paper Award

BVM Best Presentation Award

Best Challenge Reviewer Award

MELA 2022 Third Rank Solution

Helmholtz Imaging - Hacking for Health Ranked first in the health track of the Helmholtz Imaging Hackathon 2022.

Aneurysm Detection And segMentation, MICCAI 2020 Challenge Ranked first in the the aneurysm detection track of the ADAM 2020 Challenge.

Deans List Awarded to the top 5% of the graduates.

PROFESSIONAL SKILLS

Languages German(native speaker), English(good command), Hungarian(basic knowledge)

Software Python, C++, Matlab, Java(basic knowledge), Latex, MS Office