

Christoph Berger

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Experience

06/2020 – Current

Software Developer, Capmo GmbH, Munich

Capmo builds digital tools for construction sites. My work is focused on user-sided automation of workflows using NLP on mobile devices as well as on the AWS infrastructure.

03/2019 – 02/2020

Research Assistant, Department of Neuroradiology, Klinikum rechts der Isar

Working on developing software to support the clinical workflow of radiologists and enable the collection of anonymized MRI scans to build a standardized database to support deep learning training. Supervised by Dr. B. Wiestler and Florian Kofler: <https://compimg.github.io>

08/2019 – 10/2019

Visiting Researcher, Computational Imaging and Bioinformatics Lab, Harvard Medical School and Dana-Farber Cancer Institute, Boston, USA

Summer visit to further develop the modelhub.ai platform for deep learning. Built a training pipeline and baseline deep learning model for organ and tumor segmentation for radiation therapy planning. Notable events: Participated in the IBM MIT AI Research Week, gave an invited talk at UPenn <http://www.cibl-harvard.org/>

10/2018 – 04/2019

Tutor, Department of Informatics, Technical University of Munich, recurring every winter term: 2016, 2017, 2018, 2019

Teaching weekly exercise sessions in C programming, introduced automated plagiarism checks for assignments and automated the grading of exercises.

06/2017 – 10/2018

Research Assistant, Image-based Biomedical Modeling Group, TU Munich

Worked on automated brain tumor segmentation and the Brain Tumor Segmentation Challenge in coordination with Center for Biomedical Image Computing and Analytics at UPenn. Implemented Deep Learning algorithms in Python using Docker technologies and created a public repository of segmentation algorithms.

09/2017 – 10/2017

IT Intern, Global IT and Processes, Lenzing AG, Austria

Assisted with the introduction of Industry 4.0 and predictive maintenance applications in production which enable a cost reduction of more than 10% across all plants.

Education

02/2020 – Current

Honours Degree in Technology Management, Center for Digital Technology Management

10/2019 – Current

M.Sc. Biomedical Computing, Technical University of Munich

Focusing on Deep Learning for medical applications, software development and project management. Developed a chemotherapy monitoring device prototype in the [MedInnovate](#) program and received a grant of 2500€ from the [Initiative for Industrial Innovators](#).

10/2015 – 02/2019

B.Sc. Engineering Science, Technical University of Munich

Intense study program (210 ECTS) at the Munich School of Engineering (MSE)
Bachelor thesis at the chair for Computer-Aided Medical Procedures under supervision of Prof. Dr. Menze on the fusion of image segmentation results and ensemble methods.

Volunteering

02/2018 – Current

TEDxTUM, Operations Team Member, Team Lead (2019)

Organization of a yearly main TEDx event with international speakers and over 500 attendees and multiple smaller events throughout the year.

Responsible for the 10 members of the operations team which handles the event management aspects of the conference and coordination of more than 30 volunteers on the event weekend.

Languages

German (Native), English (Full Working Proficiency, C1/C2), Spanish (Advanced Proficiency, B1)