Christoph Berger

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Experience

03/2019 – Current   **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 during 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**

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)