Jan Brunckhorst

CONTACTS

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REFERENCES

linkedin.com/in/brunckhorst
github.com/neuencer

LANGUAGES

German (native)
English (C1)

EXPERIENCE

Feb. 2020 - Oct. 2019
R&D Student at EXIST-Forschungstransfer PHIO
Ludwig-Maximilians-Universität München
- Developed automated cell detection and segmentation solutions for innovative lens-free microscopy including active learning and uncertainty quantification
- Deployed final model on the device, which is already used by multiple labs

Jan. 2019 - Aug. 2018
Actuarial Data Science Working Student
KPMG
- Improved insurance pricing platform to provide a benchmark tool for the internal audit team
- Co-authored a published business paper about opportunities of neural networks in the insurance industry
- Co-developed a platform for life insurers to reduce costs by automating portfolio migration

Mar. 2018 - Oct. 2017
Actuarial Data Science Intern
KPMG
- Developed a platform for non-life insurers to improve policy pricing of insurers using deep learning (TensorFlow)
- Conducted statistical analysis for the auditing of a market risk transfer portfolio of one of the largest reinsurance companies in the world
- Implemented differential privacy algorithms including dashboard visualizations

Oct. 2014 - Aug. 2014
Volunteer English Teaching
Projects Abroad in Fiji
- Taught English, Math, and Sports for 5th and 6th grade at the Lautoka Andhra Primary School

EDUCATION

Today - Feb. 2020
Exchange Program in Mathematics
National Taiwan University

Today - Oct. 2018
Master of Science in Mathematics
Technische Universität München

Mar. 2018 - Oct. 2014
Bachelor of Science in Business Mathematics
Ludwig-Maximilians Universität München

PROJECTS

Aug. 2019 - Apr. 2019
Image detection for lensfree microscopy
Cooperation of LMU & TUM
- Collaborated with three students to develop a neural network based cell detector for innovative lens-free microscopy