BENJAMIN WILHELM

Computer Scientist

https://b-wilhelm.de | GitHub: HedeghogCode

INTERESTS

Computer Vision and Image Analysis

Deep learning

WORK EXPERIENCE

Research assistant, University of Konstanz (Konstanz, Germany) — Oct 2015 - Aug 2017

- Programming in Java
- Building a cluster executor for KNIME

Intern, Max Plank Institute of Molecular Cell Biology and Genetics (Dresden, Germany) — Sep 2017 - Feb 2018

- Integrate TensorFlow in ImageJ/Fiji
- Integrate TensorFlow in KNIME
- Contribution to the CSBDeep/CARE paper by making it run in Fiji and KNIME.
- Minor programming tasks in Java like a tiled execution for KNIME Image Processing.

Working Student, KNIME GmbH (Konstanz, Germany) — March 2018 - Present

- KNIME TensorFlow Integration
- KNIME Deep Learning Integration
- KNIME Tableau Integration
- Other software development tasks

EDUCATION

M.S. in Computer and Information Science, University of Konstanz (Konstanz, Germany) — Oct 2019 - Present

- Focus on computer vision and machine learning

B.S. in Computer Science, University of Konstanz (Konstanz, Germany) — Oct 2014 - Oct 2019

- All basic courses (Math classes, Programming courses, Database systems, Algorithmics, Theoretical Computer Science, ...)
- Mechanics in Physics
- Mathematical Logic
- Image Analysis and Computer Vision I and II
- Seminar about Energy Minimization Methods in Computer Vision
- Artificial Neural Networks and Deep Learning
- Machine Learning using MATLAB
- Frequent Pattern Mining
- Advanced Data Challenge (Ranked 7th in the Freesound General-Purpose Audio Tagging Challenge on Kaggle)
- Bachelor's thesis about segmentation of microscope image data
- Overall grade "with distinction"

High-school diploma, Erich-Hauser-Gewerbeschule (Rottweil, Germany) — Sep 2011 - Jul 2014

- High-school with focus in Computer Science

SKILLS

Very familiar with

Java, Eclipse, Git, Linux, Python, Scrum

Familiar with

MATLAB, C, C++, Bash, Travis CI, LaTeX