

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"
 - Received the VEUK Award ("Preis des Vereins der Ehemaligen der Universität Konstanz (VEUK e.V.)")
- 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