

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

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