

# 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

B.S. in Computer Science, University of Konstanz (Konstanz, Germany)

Oct 2014 - Present

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)

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

Familiar with

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