Benjamin Wilhelm

Computer Scientist

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