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
- Image Analysis and Computer Vision I and II
- Seminar about Recent Developments in Deep Learning

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

- All basic courses
- Mechanics in Physics and Mathematical Logic
- Specialization in Data Mining and Computer Vision
- Ranked 7th in the Freesound General-Purpose Audio Tagging Challenge on Kaggle as part of the Lecture “Advanced Data Challenge”
- Seminar about Energy Minimization Methods in Computer Vision
- 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