

# Kai Wolf

Informatiker, M.Sc.

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## Kurzprofil

### Expertise

Computer Vision, Image Processing, Machine Learning, Software Performance and Optimization, Software Architecture, Design Patterns, SOLID, OOP, TDD, DDD, Build Systems, DevOps, Continuous Integration (CI), Continuous Deployment (CD), Mobile Computing

### Programmiersprachen, Tools, Markup und Frameworks

C, C++, Kotlin/Native, Java, Python, Lua, HTML, CSS, XML, XSL(T), Doxygen, Git, SVN, Bash, Vim, Bazel, Gradle, Make, CMake, Jenkins, GitLab, GitHub, Conan, Docker, AWS, Azure, DevOps, Firebase, TravisCI, CircleCI, AppVeyor, Team Foundation Server (TFS), HALCON, Qt, OpenCV, OpenGL, ITK, VTK, Android, SIMD, SSE, AVX, NEON, OpenMP, OpenCL, CUDA, Yocto, RenderScript, Halide, Jekyll, Buildbot, Caffe, TensorFlow

### Sprachkenntnisse

Deutsch: Muttersprache. Englisch: Sehr gut

## Berufserfahrung

- seit 01.2018 **Freelance Software Consultant**, *Kai Wolf - SW Consulting*, Wiesbaden
- 02.2016-12.2017 **Vision Algorithms Engineer**, *MVTec Software GmbH*, München
- 03.2015-01.2016 **Technischer Projektleiter**, *MAS Software GmbH*, München
- 10.2013-03.2015 **Software-Entwickler**, *MAS Software GmbH*, München
- 08.2010-12.2012 **Wiss. Hilfskraft**, *Computer Vision und Mixed Reality, Hochschule RheinMain*, Wiesbaden

## Vorträge

- 07.2021 **Signal Processing and ML Inference on the Edge**, *C++ User Group Karlsruhe*, Karlsruhe  
Aufzeichnung: <https://www.youtube.com/watch?v=VbuChpX5OAc>
- 01.2021 **(Advanced) C++ Design Patterns**, *C++ User Group Frankfurt*, Frankfurt
- 03.2020 **Dependency Management with CMake and Conan**, *ConanDays 2020*, Madrid, Spanien
- 06.2017 **Effective Dependency Management with CMake**, *Microsoft Deutschland GmbH*, München  
Aufzeichnung: <https://youtu.be/QayyhI-36os>
- 03.2016 **Hands on clang-format**, *MUC++*, München
- 02.2015 **A Short Introduction to OpenCV**, *MUC++*, München

## Zertifikate

- 10.2017 **iSAQB® Certified Professional for Software Architecture, Foundation Level**
- 02.2016 **Zertifikat HALCON Experte**

## Studium

- 10.2011-09.2013 **Studiengang Informatik**, *Master of Science*, Abschlussnote: 1,7
- 09.2008-10.2011 **Studiengang Medieninformatik**, *Bachelor of Science*, Abschlussnote: 2,3