

LUKAS B. WAYMANN

 [meribold.org](https://github.com/meribold.org)

 [/meribold](https://github.com/meribold)

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 io@meribold.org

Experience

TomTom Asia, Inc.

SOFTWARE ENGINEER

ASSOCIATE SOFTWARE ENGINEER

Taipei City, Taiwan

2020-03/present

2018-12/2020-02

Maintains a cross-platform C++ library that retrieves and installs map updates in millions of cars. Fixed several long-standing bugs and implemented many features and performance improvements. Migrated this library from Subversion to Git. Modernized and qualitatively improved the testing infrastructure on Jenkins.

Biomedical Technology Center

RESEARCH ASSISTANT

University of Münster, Germany

2014/2018-12[†]

Implemented algorithms for reconstruction of digital holograms in Python using NumPy, SciPy, OpenCV, and process-based parallelism. Designed and built a [GUI](#) exposing these reconstruction routines. Wrote a Python program for controlling a holographic microscope prototype.

Center for Biomedical Optics and Photonics

RESEARCH ASSISTANT

University of Münster, Germany

2010/2012[†]

Developed [cross-platform C++ software](#) for tracking living cells through sequences of phase shift micrographs.

[†]alongside school/university, not fulltime or continuous

Education

University of Bayreuth

BACHELOR OF APPLIED COMPUTER SCIENCE

Bayreuth, Germany

2018-04

Received the top grade for my thesis titled "[Scoring Board Games with Computer Vision](#)".

Skills

C++, Python, Bash, Lua, Kotlin, dabbled in Haskell

PLs

Git, GDB, GNU Make, GNU/Linux command line, Docker, Jenkins, Vim

Tools

NumPy, OpenCV, SQLite, Google Test, wxWidgets

Libraries

10 years Linux experience, Android SDK, L^AT_EX, HTML/CSS

Misc.

English (fluent), German (native), Chinese (novice)

Languages

Side Projects

Please see meribold.org/projects/.