

LUKAS B. WAYMANN

 meribold.org

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

 [in/meribold](https://in.linkedin.com/in/meribold)

 io@meribold.org

Experience

Canonical

CERTIFICATION SOFTWARE ENGINEER

Taipei City, Taiwan

2020-10/2021-07

Co-maintained a pool of a few hundred always-connected laptops, desktops, IoT devices, SBCs, gateways, and other computers on which proposed Ubuntu updates are automatically tested for regressions and associated tooling and configuration. Created a [dashboard](#) to ease maintenance of and access to these computers using Python and SQLite.

TomTom

SOFTWARE ENGINEER

Taipei City, Taiwan

2020-03/2020-09

ASSOCIATE SOFTWARE ENGINEER

2018-12/2020-02

Maintained 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. Developed an improved file format for map update delivery that can be installed in 30 % to 45 % less time and reduces file size.

Biomedical Technology Center

RESEARCH ASSISTANT

University of Münster, Germany

between 2014 and 2018*

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

between 2010 and 2012*

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

Education

University of Bayreuth

BACHELOR OF APPLIED COMPUTER SCIENCE

Bayreuth, Germany

2018

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

Skills

C++, Python, Bash, Lua, Kotlin, JavaScript, Haskell

PLs[†]

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

Tools

NumPy, OpenCV, SQLite, Google Test, wxWidgets

Libraries

Linux (Arch, Ubuntu, RHEL, ...), UI design, SQL, HTML, CSS, Android SDK

Misc.

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

Languages

Projects

See meribold.org/projects/.

* alongside school/university, not fulltime or continuous

[†] in descending order of experience