

# LUKAS B. WAYMANN

Software Developer

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

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## Experience

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### TomTom

SOFTWARE ENGINEER

Amsterdam · On-site

2024-04/present

### Meribold Software

FREELANCE SOFTWARE DEVELOPER

Taiwan and Germany · Remote

2023-06/2024-02

### ASML (via Zealogs)

C++ DEVELOPER

Taiwan · Remote

2022-02/2023-04

*Developed backend software for electron beam wafer inspection using gRPC, Protocol Buffers, SQLite, Boost, and the Linux API. Removed more code than I added. Received an “employee of the year” award.*

### Canonical

CERTIFICATION SOFTWARE ENGINEER

Taipei, Taiwan · On-site

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, Taiwan · On-site

2020-03/2020-09

ASSOCIATE SOFTWARE ENGINEER

2018-12/2020-02

*Maintained a cross-platform C++ library that updates onboard maps in millions of vehicles. Migrated this library from Subversion to Git. Modernized the testing infrastructure on Jenkins. Developed an improved file format for map update delivery that reduces file size and could be installed in 28 % to 47 % less time in initial tests.*

### University of Münster

RESEARCH ASSISTANT

Germany · Hybrid

2015-02/2018-12\*

*Developed a cross-platform C++ [application](#) for tracking living cells through sequences of phase shift micrographs. Wrote a Python program for controlling a holographic microscope prototype. 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.*

## Education

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### University of Bayreuth

BACHELOR OF APPLIED COMPUTER SCIENCE

Germany

2018-04

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