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Born: 25.02.1997
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Andreas Molzer

Formal Education

- 2014–2017 **Bachelor, Informatik**, *Technische Universität München*
- 2017–2023 **Master of Science, Informatik**, *Technische Universität München*

Job Experience

- 2016–2018 **Working Student - Software Development**, *Infactory Solutions GmbH*, Taufkirchen
Development of a near Real-Time Sensor system for automated Carbon Fiber Placement
- 2020–present **Software Engineer**, *nebumind GmbH*, Taufkirchen
Spatio-temporal data processing solutions in Industrial Automation
Lead Developer in motion planning and sensor fusion for physically grounded ML in a metal forming process. Lifted process from TRL4 to TRL6 qualification. Consortium: MT Aerospace AG, KPMG

Notable Open Source Projects

- 2019– **Maintainer**, *image-rs*
Open Source Organisation for Rust Image Codecs and Processing Software
- 2020– **Creator**, *weezl*
Leading Rust Software Library for LZW stream processing
- 2018– **Creator**, *oxide-auth*
De-Facto solution for server-side OAuth2.0 in Rust
- 2023– **Creator**, *xdpilone*
Native Rust Integration von Linux AF_XDP, practically feature complete

Programming and Technologies

- Rust Extensive knowledge and contributions to FOSS projects
Diverse topics: networking with Intel e1000, OAuth2.0, image processing
- C++ Advanced knowledge up to C++23
- Python Async network programming, statistic, and data visualization
Libraries: aiohttp, scipy, torch
- Javascript Frontend with Vue.js, WebAssembly, basics WebGL and WebGPU
- C Working on a compiler C23 to Clight

Languages

- German native
- English C1
- French B1