

Louis Quentin Burda

Personal Information

Address: Barnimstraße 12, 10249 Berlin, Germany
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Phone: +49 15902449714
Date / Place of Birth: 9. May 2002 in Berlin, Germany
Nationality: German & American citizenship
Language Skills: German: Native speaker
English: Native speaker
Program. Languages: Python, Rust, C, Zig, C++, C#, Java, JavaScript



Education and Work Experience

- 01/2025 - 11/2025 **Managing Director** and product owner for team of 15 developers
Attacking-Lab
 - Successfully organized the A/D CTF for the ECSC 2025 in Warsaw, Poland
- 02/2025 - 09/2025 Software-developer for **Binary Software Composition Analysis**
Binamic-Security
 - Matching engine based on statistical analysis of instruction sequences
 - LLVM-based optimization of P-CODE IR to normalize code for comparison
- 09/2023 - 01/2025 Software-developer for **High-Performance Network Analysis**
genua
 - Design and implementation of high-performance data structures in Rust
 - Building a holistic attack detection and remediation strategy
- 05/2023 Bachelor thesis in **Information Security (Grade: 1.0 with honors)**
TU Berlin
Undermining AMD Secure Encrypted Virtualization through Cache Side-Channel Attacks
awarded **Rolf-Niedermeier-Preis** for an outstanding bachelor thesis in computer science
- 11/2019 - 05/2023 **Computer Engineering B.Sc.** at the *TU Berlin* (**Grade: 1.4 / Highest: 1.0**)
TU Berlin
 - International Information Security Competition (master's course)
 - Machine Intelligence I (master's course)
 - Compiler Design (master's course)
- 03/2020 - 02/2021 Software-developer in **Computer-Vision for Embedded-Systems**
SOPAT
 - Developing a MQTT-controlled smart probe for AI particle classification
- 06/2019 **Abitur Exam** at JFKS Berlin bilingual school (**Grade: 1.4 / Highest: 1.0**)

Extracurricular Engagement

- 01.12.2024 Executive board member at AG *Rechnersicherheit e.V.* at the TU Berlin
- 01.10.2024 *European Cyber Security Challenge (ECSC)* 2024 finalist, **placed 1st**
- 01.10.2022 **Top team** in the *Hack-a-Sat* CTF by the US Space- and Air-Force
- 01.07.2022 *Cyber Security Challenge Germany (CSCG)* 2022 finalist, **placed 1st**
- 01.11.2021 *CyberSecurityRumble* CTF with university team, **placed 1st globally**
- 01.06.2019 **President's Award** for academic excellence
- 01.06.2019 German **Abiturpreis in Math and Physics**
- 01.01.2019 Round 1 finalist for *Bundeswettbewerb Informatik*, **placed 2nd**
- 11.01.2019 Represented school in the **National Math Olympiad**
- 05.08.2018 Participation in **student camp for machine learning**