TOBIAS KLINGENBERG

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EDUCATION

Technical University of Munich **Munich, BY**
Bachelor of Science, Informatics / Computer Science Oct 2022 – Sep 2025
- Minor in Management and Economics
- Relevant Coursework: Software Engineering, Functional Programming, Data Structures and Algorithms, Computer Networks, Operating Systems
- Projects: Developed a Swift application for iOS, implementing real time warning system for Siemens factory workers

Goethe University Frankfurt **Frankfurt, HE**
Bachelor of Science, Economics and Business Administration Oct 2021 – Sep 2022
- Reorientation of studies towards computer science (1.3 german grade)

EXPERIENCE

IT-Infrastructure and Administration **Jun 2025 – Present**
Siemens AG / CYS-DEF-IS, Working Student *Munich, BY*
- Deployment and configuration of IT infrastructure for Siemens Cybersecurity (Proxmox)
- Development of onsite monitoring systems

Software Engineering Intern **Oct 2024 – Feb 2025**
TUM / iPraktikum / Siemens, Practical Course *Garching, BY*
- Developed the iOS application "Safeguard" that tackles EHS challenges
- Focus on Swift UI development, Kubernetes Deployment, Supabase Backend

Software Engineering Coding Camp **Sep 2024 – Sep 2024**
Itestra GmbH / Summer Coding Camp 2024 *Munich, BY*
- Developed a HoloLens Augmented Reality Learning Application
- Focus on modeling and development of Unity Applications

Audit and Finance **Dec 2021 – Jul 2022**
DSJ AG, Working Student *Frankfurt, HE*
- Annual audit of medium to large financial services, including PIE clients
- Audit of financial intermediary, including audit according to 34f GewO

PROJECTS

Playwright Test Suite / Theia IDE
TypeScript, Playwright
- Developed a comprehensive test suite for the Theia IDE using Playwright during my bachelor thesis
- Focus on scalable end to end testing, including the development of a custom test runner

HoloLens AR Game
C#, Unity, MRTK3
- Developed a full Microsoft HoloLens 2 Application, based on Piano Tiles
- Mapping of MusicXML piano sheets to Unity GameObjects, MRTK UI

Personal Portfolio / tobia.sh
HTML, CSS, JavaScript, PHP
- Developed a personal Portfolio site, including Front- and Backend
- Full profile and user system, including email authentication and management

SKILLS

Programming Languages: Java, Python, C/C#, SQL, JavaScript/TS, HTML/CSS, PHP, Dart, Swift, OCaml
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, CLion, Rive, Slack
Peronal Interests: Arduino, Raspberry Pi, Hardware Installation/Maintenance, Apple Ecosystem
Languages: German (native), English (fluent), Chinese (basic)