Marvin Borner (21)

https://marvinborner.de

Education

• Eberhard Karls Universität	Tübingen
B.Sc. in Computer Science Python ASM B.Sc. in Cognitive Science (incomplete) Backet, Java C++ B MATLAB Idris Pytho	2024 - 2025
Babort Bosch Schulo	IIIm
Technical Gymnasium with specialization in Computer Science (Abitur) C# ASM SQL	2018 - 2021
Work Experience	
• Department of Computer Science – Software Engineering Student Compiler Engineer Scala Scala JS Effekt	Tübingen 12.2023 – Present
• ML Cloud	Tübingen
Student Software Developer Python JS SQL Docker	03.2023 - 11.2023
 Full-stack development: Django-based interface for user, group, and HPC resource Tool integration: Integrated SLURM, LDAP, Grafana, and Request Tracker. Energy optimization: Conducted analyses to reduce HPC energy consumption. Collaboration: Joint project of Tübingen AI Center, Max Planck Institute for Integration Theoretische Physik Tübingen, and AG Bethge. 	ce management. elligent Systems, Institut für
• Department of Computer Science – Database Systems	Tübingen
Teaching Assistant Racket	10.2022 - 02.2023
 Tutoring: Taught Praktische Informatik 1: Deklarative Programmierung to first-ye. Grading: Graded exercise sheets and exams. 	ar students.
• Eaglefit GmbH	Langenau
$Software \ Consultant$	09.2021 - 09.2022
Web Developer PHP JS	12.2017 - 02.2018
Other Experience	
• Jugend Hackt	Berlin, Hamburg, Ulm
Participant in hackathons VueJS SQL PHP Kotlin	2017 - 2021
• JugendHacktApp: Progressive web application for event management, account-ba communication within the Jugend Hackt community.	ased registration and
 BlindEye: Android application giving navigation advice to people with visual impa Personal Security Agency: Web application for analyzing the personal online pro- illustrating data monopolies. 	arment. esence with the aim of
Austrian Data Hero Competition	Wien
Submission in the category "Talents" SPARQL JS	2020
$\circ~{\bf Subsidiary~Browser}$: Interactive graph of monopolistic companies and their subsidiary	diaries.
• Federal Competition of Artificial Intelligence (BWKI)	Tübingen
Participant as part of a team Python	2019
• Deception Detection : Detection of lies and deception with the help of machine le and audio data.	earning by analyzing text, video
• Various programming competitions (Online, Karlsruhe, Hamburg
Advent of Code, Project Euler, Kattis, GPN21 kitctf, Potluck CTF Python C	2018 - Present
Software Projects	

- Melvix: Operating system with preemptive multitasking for x86 32-bit computers written from scratch. Includes self-written drivers for keyboard and mouse, network, framebuffer graphics, paging, and hard disk. C NASM
- SegelBoot: Bootloader for x86 32-bit computers written from scratch. C NASM
- Bruijn: Programming language based on pure lambda calculus. Uses self-written multi-threaded reduction strategies based on abstract machines derived from current research. Haskell
- Birb: Esoteric programming language that only consists of bird emojis (combinatory logic) Haskell