Tom Szenessy

Business Informatics Student · TU Munich

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EDUCATION

B.Sc. Business Informatics | Oct 2025 – 2028
- Technical University of Munich (TUM) · 3rd semester

Abitur · grade 1.0 | 2025
- Deutsche Schule Málaga, Spain

Exchange year, California, USA | 2022 – 23
- Vista Murrieta High School · rank 24 of 829 in Grade 12 (top 3%)

EXPERIENCE

House Representative, Studentenstadt Munich | since Feb 2026
- Elected in February 2026 to represent the 150+ residents of my building.
- Organise community events and parties for the house.

Software Development Intern, Ecosia, Berlin | 2023
- Built a retrieval-augmented support chatbot prototype in Python (LangChain, OpenAI API, Milvus vector database) that answers user questions from Ecosia's FAQ pages with source links.
- Built a news widget that summarises articles with an LLM and flags clickbait headlines with a "polemic score".

PROJECTS

WorldFolder · worldfolder.com | 2026
- On-demand Minecraft server hosting written in Go and Docker: idle servers shut down to zero compute cost and wake automatically when a player joins.
- Edge proxy, lifecycle state machine, crash guards, control API and Firecracker snapshots for fast wake-up.

RoadTax · roadtax.app | 2026
- Browser strategy game for 2–5 players with server-authoritative real-time multiplayer over WebSockets on Cloudflare Workers and Durable Objects.
- AI opponents driven by a policy network trained with a genetic algorithm in Python.

ToMindMap · github.com/TomSzenessy/Mindmap-Plugin-for-Obsidian | 2026
- Open-source mind-mapping plugin for Obsidian Canvas (JavaScript) with auto-layout, nested linked maps and touch controls on phones.

More projects at szenessy.com: https://szenessy.com/en/#projects

HACKATHONS

European Hackathon League Finals | 2026
- Built an autonomous AI buyer agent (Python, LLM) that negotiated with supplier bots over five live rounds with no human in the loop.

TUM.ai Makeathon · SideStroll · sidestroll.com | 2026
- Lead developer in a team of five (500+ participants) of SideStroll, an AI app that plans real-world outings from interests, free time and weather (TypeScript, Python, PostgreSQL).

hackaTUM · MunichPulse | 2025
- Team app (Kotlin Multiplatform) that matches people who want company for events.

AWARDS

- Jugend forscht Iberia 2024 — 2nd prize and CIB Special Prize
- Mathematics Olympiad — 3rd prize (2019)
- Informatik-Biber — 2nd prize (2020, 2023)

SKILLS

Technical: TypeScript, Python, Go, Kotlin, SQL, React, Docker, Cloudflare, LLM agents & RAG
Languages: German (Native), English (C2), Spanish (C1), French (A2), Chinese (A1)
Interests: Piano, since age 5, Martial arts, Padel, Beach volleyball, Drone filming