Marvin **Heyne**

B.Sc. IT-Systems Engineering student, HPI Potsdam | agentic AI in production | open for internships Apr–Sep 2027

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EXPERIENCE

Mar – Oct 2026 — Berlin
Kobe AI (Kobe UG)
Founding Engineer (equal partner to the CTO), early-stage AI startup, team of three

- Built the "superconnector" product: ~470 commits in three weeks (Oct 2026) across a Hono/Cloudflare Workers backend (Postgres, Drizzle, row-level security, MCP server for Claude) and an Electron desktop client with a LinkedIn crawler.
- Co-developed a six-stage agent pipeline in Python (FastAPI, Claude Agent SDK): deterministic profiler and scorer, parallel writer swarm, rubric review agent, evidence store; ~20k lines with full agent tracing.
- Wrote an evidence-linked architecture handbook (15k+ lines, 72 repos) in two days.

since Jan 2026 — Remote
MitJulia (formerly Friseurtelefon; Hilsendeger UG)
Software Engineer, AI Voice Agents (freelance, alongside studies)

- Evolve the backend of a production AI phone receptionist for 100+ hair salons (TypeScript, AWS Lambda, DynamoDB, S3, Twilio, ElevenLabs Conversational AI, Vitest); 434 commits and 25+ product issues owned end-to-end (Aug–Nov 2026).
- Integrated the Belbo booking provider as a full 13-method driver (~9,150 lines, 2,497 tests passing); built a simulation dashboard in which GPT-4o-mini plays the caller and grew the test suite MECE-style from 67 to 267 atomic cases.
- Verified a customer-type gate against an independent Python re-implementation (3,200 result sets, 0 deviations).

since Feb 2026 — Potsdam
HPI Engine (HPI School of Entrepreneurship)
Student Associate, Startup Tours (~4 h/week)

- Organize startup tours to Munich, Amsterdam and Zurich (15–22 students each, incl. NVIDIA, BMW, Celonis, DuckDB): outreach, participant selection, ~EUR 6,000 budget per tour.

May – Sep 2025 — Potsdam
Leona Research UG
Solution Engineer, GenAI solutions agency (full-time)

- Delivered 2–3 client projects in Next.js, Python and n8n, incl. a marketing tool for NeoTaste (restaurant-discovery app, Series A).

EDUCATION

Oct 2024 – 2028 — expected; Potsdam
Hasso Plattner Institute (HPI) / University of Potsdam
B.Sc. IT-Systems Engineering (semester abroad planned)

- GPA 1.4 (German scale, 1.0 = best; approx. 3.7+ on a 4.0 scale), 108 ECTS, all exams passed at first attempt; top grade 1.0 in Software Architecture and Software Engineering. Specializations: Operating Systems & Information Systems Technology; Software Architecture & Modeling Technology.
- Current: bachelor's project "GorillaWatch" (team of eight): gorilla detection and tracking in PyTorch, fine-tuning, data labeling; seminar with BMW on agentic products (details under NDA).

2024 — **Albert-Schweitzer-Gymnasium Erfurt** *Abitur 1.4, specialized STEM track*

SCHOLARSHIPS

since Oct 2025 — **sdw Klaus Murmann Fellowship, Foundation of German Business:** federally funded talent-promotion foundation; two-stage selection; seminar program.

2024 – 2025 — **Sparkassenstiftung Erfurt Scholarship (science category):** award for achievement and engagement; funded the AI pneumonia project.

AWARDS & HACKATHONS

Oct 2026 — **Winner, Launchpad by Stan (USA):** two-week startup competition, ~30 international startups from ~700 applications, USD 100k prize; shipped Kobe AI throughout and pitched to investors on Demo Day.

Sep 2026 — **OpenAI Hackathon @ IdeaLab!, "Voya":** technical lead, 130 of 142 commits in 48 h; 50+ parallel agent worktrees.

Jun 2026 — **Winning team, AWS World Sports Innovation Cup** (adidas × DFL × AWS): fan-engagement concept and prototype "Connected Arena", pitched in the Frankfurt final.

May 2025 — **Winning team, Siemens × AWS Hackathon "ReThink Recycling":** real-time trash detection (YOLOv8 segmentation).

Apr 2025 — **Winning team, Bundesliga Hackathon 2025** (DFL × AWS × EintrachtTech; 42 teams): fan app with AI chat on AWS.

2024 — **Jugend forscht** (Germany's youth science competition): Thuringian state winner and national special prize for CNN-based pneumonia detection on chest X-rays.

SKILLS

Programming — TypeScript, Python, SQL, C/C++ | **Methods:** design patterns, ADRs, Scrum, BPMN

AI / ML — PyTorch, Claude Agent SDK, OpenAI Agents SDK, MCP, LLM evaluation, voice AI (ElevenLabs, Twilio)

Web & cloud — React/Next.js, Node, AWS Lambda & DynamoDB, Cloudflare Workers, PostgreSQL, CI & testing (Vitest, Playwright)

VOLUNTEERING, LANGUAGES & INTERESTS

Volunteering — First responder, German Red Cross civil protection Potsdam, since 2024 | Student Election Committee, 2025–2026

Languages — German (native) | English (fluent, C1) | Spanish (B1) | French (basic, UNIcert I)

Interests — Karate (13 years, 1st Dan) | travel (23 countries, self-organized group trips) | hackathons | 3D printing | references on request