Florian Hoppe

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flohop.com • LinkedIn • GitHub

EDUCATION

TECHNICAL UNIVERSITY MUNICH
Apr 2024 – Present

M.Sc. in Computer Science

- Majoring in databases and distributed systems with a minor in algorithms and scientific computing

TECHNICAL UNIVERSITY MUNICH
Oct 2020 – Apr 2024

B.Sc. in Computer Science

EXPERIENCE

UNIVERSITY OF CAMBRIDGE
Oct 2025 – Mar 2026

Visiting Researcher
- Conducting master's thesis research on mechanistic exploration of truth in LLMs under Prof. Robert Mullins and David Khachaturov
- Extracted 'truth vectors' from LLM activations and applied them during forward passes to control model truthfulness.

Tech Stack: Python, PyTorch, NumPy, Jupyter

PALANTIR
May 2025 – Aug 2025

Software Engineer Intern in Developer Console Team
- Developed end-to-end search and indexing functionality for Custom Widgets
- Indexed widget metadata in Elasticsearch and designed schema for efficient retrieval
- Built a REST API and corresponding GraphQL query to expose search capabilities to client applications
- Integrated the feature into the frontend, enabling live search via a new UI component

Tech Stack: Java, Elasticsearch, GraphQL, TypeScript, React

JETBRAINS
Mar 2024 – Mar 2025

Software Engineer Intern in Fleet Core Platform Team
- Implemented high-performance data structures in Kotlin Multiplatform, optimizing memory usage and runtime efficiency
- Adapted core Fleet Window Manager features to a new platform, exposing a robust API for other developers

Tech Stack: Kotlin, KotlinJs, WebAssembly

KERTOS
Mar 2022 - Dec 2023

Fullstack Developer Working Student & Automation Lead
- Designed and developed a highly efficient microservice in Python for automating the deletion of user data on third-party platforms, serving over 10,000 requests to date
- Contributed to the successful migration of the REST API to GraphQL, enhancing type safety and delivering a 25% improvement in read speed by reducing over-fetching

Tech Stack: Python, Django, PostgreSQL, FastAPI, TypeScript, React, GraphQL

SKILLS

PROGRAMMING LANGUAGES	Python	Kotlin	Java	TypeScript	SQL	C++	Bash
FRAMEWORKS & LIBRARIES	Django/FastAPI	GraphQL	React/React Native	Docker	MongoDB
LANGUAGES	*Native:* German, Polish *Fluent:* English *Beginner:* French

LEADERSHIP

GOOGLE DSC CORE MEMBER
Mar 2022 – May 2025

Core Team Member for the Munich GDSC
- Organized campus, Google office, and corporate events, attracting audiences of 20–120 people
- Assisted the recruitment process by helping select new core team members

SELECTED PROJECT

CHECK24 SCHOLARSHIP CHALLENGE (FULLSTACK WEBSITE)
Jun 2023

Find the perfect hotel from over 100 million offers
- Developed a website to discover the ideal holiday hotel from a database of 100+ million offers and deployed it on a VPS

Tech Stack: TypeScript, ExpressJS, MongoDB, React, GraphQL, Docker