

# HASAN ATAK

+41 78 214 20 99 | 24.06.1996 | German | [hasanaliatak@gmail.com](mailto:hasanaliatak@gmail.com) | Web: [hazn.me](http://hazn.me)



## EXPERIENCE

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### SAE Institute

Lecturer

Dec. 2024 – Present

Zurich, Switzerland

- Teaching students to develop intuition for AI-based workflows and automations
- Advising students on AI-focused thesis topics

### Liip AG

Software Engineer

Jan. 2023 – Mar. 2025

Zurich, Switzerland

- Maintaining and optimizing backend infrastructure for a leading Swiss job platform
- Implemented an Vector-based job semantic search solution for Switzerland's largest employer

### Prio Partners AG

IT Specialist

Mar. 2022 – Jan. 2023

Zurich, Switzerland

- Developed and maintained technology infrastructure for employees
- Redesigned the company website

### University of Zurich

Research Assistant at the Zurich People and Computing Lab

Sept. 2021 – Mar. 2022

Zurich, Switzerland

- Developed a React application to recommend appropriate statistical tools for sampling
- Collaborated with a Ph.D. student on user-centered software design strategies

### Sepia

Full Stack Engineer

Jul. 2021 – Sept. 2021

Zurich, Switzerland

- Prototyped an iOS application for exchange markets
- Conceptualized a system for hierarchical non-fungible assets on the blockchain

### adesso SE

Working student

May 2018 – Feb. 2021

Dortmund, Germany

- Built an AI-based purchase prediction system achieving 83% accuracy
- Created a mobile phone application displaying real-time availability of parking spots

## EDUCATION

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### University of Zurich

Master of Science in Artificial Intelligence

Feb. 2021 – Dec. 2024

Zurich, Switzerland

- Master thesis: peopen - Automated drafting of Swiss popular initiatives through LLMs
  - \* Grade: 5.5 (6 being the best, 1 being the worst)
- Final grade: 5.1 (6 being the best, 1 being the worst)

### University of Applied Sciences Dortmund

Bachelor of Science in Computer Science

Oct. 2016 – Sept. 2020

Dortmund, Germany

- Bachelor thesis: VirtualWardrobe - A Multiplatform Computer Vision Application
  - \* Grade: 1.0 (1 being the best, 5 being the worst)
- Final grade: 1.8 (1 being the best, 5 being the worst)

### California State University Fullerton

Exchange semester

Aug. 2018 – Jan. 2019

Fullerton, USA

- Final grade: 3.5 (4 being the best, 1 being the worst)

### Hans-Boeckler-Foundation

Scholarship from the second-largest scholarship foundation in Germany

Oct. 2016 – Feb. 2024

Dusseldorf, Germany

- Elected for multiple council positions within the foundation

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## ABOUT

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Twenty-something software engineer, passionate about developing Fullstack applications with Applied Artificial Intelligence.

I'm propelled by optimism—I continuously seek superior tools, smarter practices, and clearer concepts to help shape a world that's both thoughtful and effective. I eagerly welcome fresh perspectives and new insights, always prioritizing growth and improvement.

Though deeply fascinated by cutting-edge technology and the potential it unlocks, I'm pragmatic about solutions, knowing when tried-and-true methods serve better. I'm committed to crafting interfaces that are snappy, intuitive, and responsive—because transformative technology demands exceptional usability, whether for end-users or fellow engineers.

## SKILLS

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**Programming Languages:** Python, PHP, Swift, TypeScript, HTML/CSS, SQL, Nixlang,  $\LaTeX$

**Technologies:** React, Expo, Deno, TailwindCSS, GraphQL, Prisma, MySQL, SQLite, PyTorch, fast.ai, Core ML, SwiftUI, Expo, DSPy, Drupal, DDEV

**Tools:** Git, Vim, Visual Studio Code, Zed, XCode, Obsidian, Tuist, uv, Poetry, Nix, Jupyter Notebook, Figma, Blender, Docker, Gitlab CI, Arize Phoenix, tmux, CloudFoundry

**Languages:** English, German and Turkish