Hugo Sokołowski-Katzer

Personal Details

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Phone	+31 6 2626 3705	**GitHub**	github.com/RAGNAROS-HS
Location	Amsterdam, Netherlands	**Right to work**	EU citizen, no sponsorship needed
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Profile

I came to computer science out of broad curiosity about technology, and learned how it actually works inside a company at Swapfiets. Over a year there I moved from IT support to identity management and information security for 1,100 employees. Seeing AI reshape that company led me to an MSc in AI, and at Talk360 I used it to automate everyday operations. Through all of it, what kept drawing me back was the infrastructure underneath. I like working close to the machine and keeping real production systems running efficiently and safely, where no news is good news.

Education

MSc Artificial Intelligence, AI for Health track 2025 – June 2027 (expected)

Vrije Universiteit Amsterdam / Universiteit van Amsterdam

- Track includes courses taught at Amsterdam UMC
- Relevant coursework: Evolutionary Computing, Knowledge Representation, Brain Imaging, Natural Language Processing, Experimental Design and Data Analysis

Master project (from November 2026): collapse detection with simulated shadows and NN similarity scoring

BSc Computer Science 2022 – 2025

Vrije Universiteit Amsterdam

- Systems coursework: Operating Systems, Computer Networks, Computer Organization, Databases
- Other coursework: Software Engineering Processes, Statistical Methods, Data Analytics and Privacy

Bachelor thesis: hybrid detection of building collapse after the 2023 earthquake in Antakya

Work Experience

Data, Automation & AI Intern April 2026 – May 2026

Talk360, Amsterdam

- Built production monitoring for live telecom traffic on self-hosted n8n, using statistical process control to flag anomalies
- Automated detection of fraud patterns that led to bans of spammers
- Automated flagging of customers with poor call experiences and routed customer support to them
- Replaced manual reporting with scheduled aggregation across internal databases

Swapfiets, Amsterdam June 2024 – August 2025

Contract extended twice, each time with a broader scope

Information Security Intern June 2025 – August 2025

- Mapped SOC 2 controls in Vanta and collected supporting evidence across systems
- Investigated security incidents, incl. damage control after a malicious insider

IT Intern, general IT December 2024 – June 2025

- Owned identity lifecycle in Okta and AccessOwl; automated parts of HR onboarding
- Initiated and led disaster recovery tests; a simulated loss of IT-team devices exposed a gap that would have cut access to a quarter of managed accounts

IT Support Intern June 2024 – December 2024

- Main IT support for 1,100 employees across multiple countries: devices (Meraki MDM), roles and access

Projects

Home Lab: 3-Node Proxmox Cluster (Proxmox VE, MikroTik, Docker, Linux)

- Clustered Proxmox VE across three bare-metal nodes
- Configured VLANs and DHCP on a MikroTik router to segment the lab network
- Run containerised services with Docker across the cluster

IJVM Bytecode Interpreter (C)

- Full interpreter: stack machine, instruction decoding and memory management

Stumberg – Agentic AI Assistant (Python, LangChain, LangSmith)

- Multi-agent orchestration with tool use and cost-based model routing
- Retrieval-augmented generation over the sources the agent collects

Technical Skills

Systems	Linux (Ubuntu), bash, SSH, nginx, reverse proxying, package and service management
Virtualisation	Proxmox VE, Docker
Identity	Okta, AccessOwl, Meraki MDM
Code	Python, Bash, C, Git, n8n, REST APIs, LangChain, RAG

Certifications & Languages

Certifications	VLOS UAV operator; WOPR 2nd Degree Lifeguard
Languages	Polish (native), English (CAE Grade A, C2), German (DSD II, C1)

Awards

Go4Poland laureate, *Fundacja GPW, programme for Poles studying abroad* 2026

Other Experience

Shop Assistant, *SPAR VU Amsterdam* January 2024 – June 2024
Housekeeper, *Radisson Hotel & Suites Amsterdam South* July 2023 – August 2023
Lifeguard, *Hotel Warmia Park, Pluski, Poland* June 2022 – August 2022