

— CONTACT

EMAIL

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GITHUB

github.com/arrow12-bit

LINKEDIN

Flint Fritzsche

LOCATION

Belgium

STATUS

Open to internships

— SPOKEN LANGUAGES

Dutch NATIVE

English ADVANCED

French BASIC

German BASIC

— CODE

Bash 88%

Python 85%

SQL / MySQL 80%

C++ 78%

C 72%

— FIELD KNOWLEDGE

- Networking
- Architecture
- Algorithms
- Automation
- Hardware & Soldering
- Programming

— TOOLING

FortiGate · FortiOS  
 Cisco IOS · IOS-XE  
 Juniper · Aruba  
 Proxmox VE · KVM  
 Linux · Bash  
 Docker · Kubernetes  
 Ansible · Cloud-Init  
 WireGuard · Pi-hole  
 TensorFlow · PyTorch  
 Cloudflare Zero Trust

# Flint Fritzsche

Network Engineer · Developer · Student

*Break · Fix · Replace · Automate*

Network engineering and infrastructure student at U-Hasselt, building a production-grade homelab on real enterprise gear. Comfortable across the stack from VLAN segmentation and FortiGate firewalling to Proxmox virtualisation, self-hosted services and automation.

— EDUCATION

2026 — PRESENT

ACTIVE · COURSEWORK  
BACHELOR-LEVEL

## Algorithms & AI Programming

Universiteit Hasselt

- Algorithm design and analysis — efficiency, complexity, optimisation patterns.
- Languages used in coursework: C, C++, Assembly and Python.
- AI programming with TensorFlow and PyTorch — supervised learning, embeddings, data-driven decision systems.

2023 — 2025

COMPLETED

## Enterprise Network Engineering

Syntra-PXL Genk · Basic & Advanced

- Hands-on configuration of Cisco and Juniper routers and switches; designed and deployed lab topologies replicating production scenarios.
- VLAN trunking, routing protocols, ACL design and SSH-based management.
- Security configuration on Cisco and Juniper platforms; Checkpoint appliance familiarity.
- Methodical troubleshooting and performance optimisation across layered networks.

— PROJECTS

2023 — PRESENT

DOCUMENTED AT  
LAB-DOCS

## Production Homelab Infrastructure

Personal · ongoing

- Bare-metal Proxmox VE on enterprise hardware (195 GB RAM, 15 cores, PCIe GPU); 20+ VMs provisioned via Cloud-Init, Ansible and bash scripts.
- Multi-VLAN segmented network (Cisco + Aruba) with LACP uplinks; FortiGate NGFW enforcing inter-VLAN policy, VIP NAT, and Cloudflare Zero Trust ingress.
- WireGuard VPN, Pi-hole DNS filtering, and a CI/CD pipeline (Gitea + Drone) for self-built tooling.
- Local AI stack — Ollama, Stable Diffusion / ComfyUI, MLflow — on private GPU.