Jan Ogiegło

I'm a third-year Teleinformatics student at AGH University of Science and Technology, with a strong passion for networking fundamentals, routing and switching, and network security.
I am aspiring to become a Network Specialist and I thrive on pushing the limits of network devices and solving complex challenges.
Currently, I am actively building a **Home Lab** and documenting its development on my website and YouTube channel.
I also find personal fulfillment and balance as a math tutor for children.

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📍 Cracow
🇬🇧 **English** - Fluent
🇵🇱 Polish - Native

🎓 Education

10.2023 - present — **AGH University of Krakow**
<u>Field of study</u>: Teleinformatics (Information and Communication Technologies)
Engineer programme, full-time studies, 3rd year

9.2019 - 5.2023 — IT High School

🧠 Skills

Network:
- Principles of operation for network devices
- **Configuring Cisco/other switches, routers.** Configuring routing protocols (OSPFv2, v3, BGP, RIP, EIGRP), load balancing, ACL, route maps, and policy maps. Redistribution to other routing protocols. Vlans. Bridges in **Home Lab**. Integrating Vlans with WiFi AP
- **Using Kathara with docker and Packet Tracer** to simulate complex network topologies.
- **Virtualization** with **Proxmox**
- TCP/IP, ISO/OSI stack

Programming:
- **Python -** Building Responsive Rest API applications, ex.Scanar (Similar to Yanosik. Making alerts for ticket inspector in bus)
- **JAVA -** Building OOP aps, multi threaded operations
- **C++ -** Basic programming concepts
- Matlab - waveform plots and calculations

Other:
- Strong **communication** and **teamwork** skills
- **Quick learning and adaptability**
- Basic knowledge in telecommunications
- Math Tutor
- Fiber Optic Network fundamentals (DWDM)

📖 Courses & certificates

- **CCNA 200-301 (CSCO14793159)**

- **Nokia Digital Signal Processing**
- **All Cisco CCNA Netacad semesters**
- **Courses as part of uni classes:** Introduction to Internet Computer Networks IP Networks (Kathara) Object oriented programing Network Security QoS networks Wireless networks
- Akamai Network Engineer (in progress)

Experience

- Weko - Network Engineer, CCTV Installer, Help Desk.
- Kamery Rybnik, KOMAD - implementing SOHO networks
- AGH Code Industry (student club) - game developer

At University:
- Hands on experience configuring Cisco switches and routers
- Working with fiber optic cables and testers

Projects

- Working on my website and youtube channel by doing new networking projects (Wireless implementation in progress)
- **Replacing my Home router and building my home server (YT video)**
- Transfering my remote into my phone (website post)
- Making a NAS (in progress)

At University:
- Scanar - full Stack REST API mobile App
- Fragmentation vs Throughput in 802.11 with BER