



# 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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	<b>English</b> - Fluent
	Polish - Native



## Education

10.2023 - present

### AGH University of Krakow

Field of study: Teleinformatics (Information and Communication Technologies)  
Engineer programme, full-time studies,  
3rd year

9.2019 - 5.2023

IT High School

## Work Experience

- 6.2023 - present: Weko - SOHO Network Engineer, CCTV Installer, Help Desk.
- 4 month High School Internship: Kamery Rybnik, KOMAD - implementing SOHO networks

### At University:

- AGH Code Industry (student club) - game developer
- Hands on experience configuring Cisco switches and routers
- Working with fiber optic cables and testers

## 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)  
- Automation scripts
- **JAVA** - Building OOP apps, 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)

## Projects

- Working on my website and youtube channel by doing new networking projects (Wireless implementation in progress)
- **Replacing my Home router with PfSense and building my home server (YT video)**
- Transferring 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