



MIROSLAV KNAPOVSKÝ

MSc in Communication and Information Technology

RF Engineering · Signal Processing · IoT · Embedded Systems

About Me

MSc graduate focused on wireless communication, embedded systems and practical prototyping. Hands-on experience with RF measurements, HW/SW integration, data acquisition and university IT support.

Professional Experience

2022

–

2026

Information Technology Support Specialist

VSb-TUO · Centre for Information Technology · Part-time

- Received, resolved and escalated technical support tickets for university employees and students.
- Provided **support in Czech and English** by email and phone, including network and system services.

2021

Security Systems Installation Assistant

EKON-SYS s.r.o. · Trutnov · Part-time

- Assisted with the installation and setup of **intrusion alarm systems, IP cameras, sensors and small data networks**.

Education

2024

–

2026

Communication and Information Technology

Master's degree (MSc.) · VSb-TUO

- Graduated with honours.**
- Thesis: Satellite Communication via LoRa Technology.

ERASMUS+ BLENDED INTENSIVE PROGRAMME · 2026

Sustainable Space Engineering & CubeSat Design

Haute École Provinciale de Hainaut-Condorcet · Belgium

- Developed a sustainable CubeSat prototype focused on eco-design and orbital protection.

MASTER'S PROJECT · 2025

IoT CubeSat Telemetry Receiver

VSb-TUO space research

- Contributed to the development of a functional IoT CubeSat telemetry receiver within a VSb-TUO space-research project.
- Received an **extraordinary university scholarship** for developing the receiver prototype.

2021

–

2024

Telecommunication Technology

Bachelor's degree (Bc.) · VSb-TUO

- Thesis: Verification of the Communication Capabilities of LoRaWAN Technology in the 433 MHz Band.

2017

–

2021

Computer Applications & Network Administration

High School · SPŠ ELIT Dobruška

Contact

Email

miraknapovsky@gmail.com

LinkedIn

linkedin.com/in/m-knapovsky

GitHub

github.com/MiraKnapovsky

Website

mknapovsky.cz

Technical Skills

RF & Antennas: antenna design · anechoic-chamber measurements · S-parameters · radiation patterns · Ansys RF propagation modelling

Networking & Security: TCP/IP · MPLS (VPN/AToM/VPLS) · IPsec/GRE · QoS · 802.1X · RADIUS · LDAP

Programming: Python · C++ · MATLAB

Monitoring & Automation: SNMP · NetFlow · Syslog · Wireshark · tcpdump · NETCONF/RESTCONF · Ansible · Grafana · Zabbix

Virtualization & Containers: Proxmox VE · VMware ESXi · Docker · Compose · LXC/LXD · Kubernetes

Certifications

TXOne Certified Solutions Specialist

TXOne Networks · Dec 2024

CCNA R&S: Routing and Switching Essentials

Cisco Networking Academy · Jan 2021

Additional

English:

Professional working proficiency

Driving Licence: Category B

Volunteer Instructor:

Kadet · 2017–Present