JAKUB RŮŽIČKA

M.Sc. in Cybersecurity

@ jakub.ruzicka@matfyz.cz   ⚲ Stockholm, Sweden

EDUCATION

M.Sc. in Cybersecurity
KTH Royal Institute of Technology

📅 August 2023 – ongoing   ⚲ Stockholm, Sweden

- Courses in ethical hacking, privacy enhancing tools and network security.

B.Sc. in Computer Science
Faculty of Mathematics and Physics, Charles University

📅 October 2019 – June 2023   ⚲ Prague, Czech Republic

- Courses in software engineering, machine learning and theoretical informatics.

Faculty of Information Technology, Czech Technical University

📅 October 2022 – June 2023   ⚲ Prague, Czech Republic

- Courses in system and network security, reverse engineering and cybersecurity.

University of Konstanz

📅 October 2021 – March 2022   ⚲ Konstanz, Germany

- Exchange semester. Courses in low level programming and compiler construction.

EXPERIENCE

Research Intern in NLP Team
MAMA AI Coolma, s.r.o.

📅 October 2021 – June 2023   ⚲ Prague, Czech Republic

- Cooperation on the bachelor thesis. Czech language normalization for text to speech systems.

Programming Mentor
Green Fox Academy CZ s.r.o.

📅 September 2021 – April 2023   ⚲ Prague, Czech Republic

- Mentoring students during retraining as programmers in Java.

Junior Developer Intern
COMPELSON Trade, s.r.o.

📅 May 2021 – October 2021   ⚲ Prague, Czech Republic

- Writing module for data extraction from Huawei devices using known vulnerabilities.

Research Intern
Institute of Plasma Physics of the Academy of Science of the Czech Republic

📅 September 2018 – June 2019   ⚲ Prague, Czech Republic

PROJECTS

Website for postgraduate students
University of Pardubice, Czech Republic

📅 September 2020 – September 2021

- Creating web application for managing publications of postgraduate students using Django Framework.

SKILLS & HOBBIES

IT Skills: Python C++ C# Docker IDA Linux CLI Git Nginx LaTeX Flask TensorFlow Django Numpy

Strenghts: Enthusiastic Hard-working Organized Leader

Hobbies: Scout Trumpet Running

AWARDS

🏆 **Winner of Czech National Physics Olympiad 2019**
Spending 10 Days in Joint Institute for Nuclear Research as a reward.

LANGUAGES

Czech	Native
English	Proficient
German	Proficient
Swedish	Pre-intermediate

REFEREES

Doc. Ing. Lubomír Bulej, Ph.D.

🏛 Department of Distributed and Dependable Systems, Faculty of Mathematics and Physics, Charles University

✉ bulej@d3s.mff.cuni.cz

Mgr. et Mgr. Ondřej Dušek, Ph.D.

🏛 Institute of Formal and Applied Linguistics, Faculty of Mathematics and Physics, Charles University

✉ odusek@ufal.mff.cuni.cz