

Marek Novotný

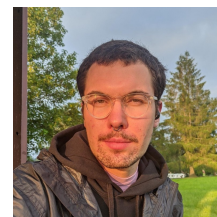
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in <https://www.linkedin.com/in/novotny-marek-image/>

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Work Experience

- July 2024 – Present **Python Developer and Data Analyst**, *CZ NIC z.s.p.o.*, Turris Team, Prague – hybrid
Development and analysis for Turris Sentinel network security research project.
Develop and maintain Python applications for processing large-scale network security datasets.
- Technologies: Python3, pandas, NumPy, PostgreSQL, Git/GitLab
- Analyze network attack patterns and create reports.
- Tools: Jupyter notebooks, data visualization libraries, SQL queries
- July 2023 – July 2024 **Technical Support Specialist**, *CZ NIC z.s.p.o.*, Turris Team, Prague – hybrid
Technical Support for Turris open-source routers.
Provided L1 to L3 technical support resolving network and device configuration issues.
- Technologies: OpenWrt, Linux systems, networking protocols, btrfs filesystem
- Documented software bugs and collaborated with development team.
- Tools: Git/Gitlab, Markdown documentation, hardware testing
- Created user documentation and knowledge base articles.
- Skills gained: Markdown, technical writing
- Performed hardware inspection and quality testing of returned/claimed devices
- June 2022 – July 2023 **Barista**, *Café Jen, Kin & K Bakery*, Prague – onsite
Barista
Prepared espresso-based beverages and filter coffee.
Provided excellent customer service in fast-paced environment.
- Skills gained: Time management, customer communication
- October 2020 – June 2022 **Head Barista, Café Manager**, *La Forme Bakery*, Prague – hybrid
Team leadership and operational management for busy bakery café.
Led and trained team of 10+ baristas on coffee preparation and service standards.
Managed daily operations, inventory control and staff scheduling.
Implemented process improvements that increased efficiency and customer satisfaction.
Handled administrative tasks and vendor relationships.
Maintained and calibrated coffee equipment.
- Skills gained: Team leadership, workflow optimization, multitasking
- 2018 – October 2020 **Barista**, *Coffee and Riot, The Miners*, Prague – onsite
Barista
Developed strong customer service and multitasking abilities.

Education

- October 2022 – Present **Applied Geography - Social Geography and Geoinformatics**, *Charles University*, Faculty of Science, Prague
Undergraduate degree (in progress)
- March 2024 – Present **Urban Structure research team member**, *Charles University*, Faculty of Science, Prague
- Ongoing development of QGIS plugin for morphometric analysis.
- Collaborated with Université Côte d'Azur researchers to refactor legacy Python spatial analysis code.
- Impact: Contribution to upcoming research publication on morphometric analysis methodologies

Skills

- Programming **Python3, SQL**
- Python Libraries **Pandas, GeoPandas, NumPy, PySAL, Matplotlib, Jupyter**
- Databases **PostgreSQL, Redis**
- GIS & Spatial Analysis **QGIS, ArcGIS, Spatial data processing**
- Version Control **Git - GitLab, Github**
- System Administration **GNU/Linux - Debian, Arch, OpenWrt**
- Documentation **Markdown, LaTeX, Technical writing**

Languages

- Czech **Native speaker**
- English **Fluent (professional working proficiency)**

Certifications

- 2024 **Introduction to Programming (in Python)**, *CZ.NIC Academy*
Introduction to Python programming
- 2023 **Git - Universal Version Control System**, *CZ.NIC Academy*
Introduction to Git version control system.