BC. PETRA PLŠKOVÁ

CONTACT

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- 📍 Košice, Slovakia

LANGUAGES

	A1	A2	B1	B2	C1	C2
Slovak	●	●	●	●	●	●
English	●	●	●	●	●	○
German	●	●	○	○	○	○

TECHNOLOGIES

Programming languages

`Python` `R` `SQL` `Sage` `Matlab`

Libraries for Python

`keras` `scikit-learn` `tensorflow` `nltk` `pandas` `numpy` `scipy` `XGBoost` `matplotlib` `seaborn` `gensim` `cvxopt` `cvxpy` `networkx`

Operating systems

`Windows` `UNIX`

Machine learning

`neural networks` `linear regression` `logistic regression` `random forests` `Naive Bayes` `KNN` `SVM` `CNN` `LTSM` `RBF` `hypothesis testing` `statistics` `random processes` `PCA` `k-means` `k-menoids` `hierarchical clustering`

Others

`LaTeX` `Jupyter notebook` `MySQL` `PostgreSQL` `Anaconda`

VOLUNTEERING

2020-2022 Gaudeamus
presenting Charles University to prospective students at the higher education exhibition

2021 European Solidarity Corps
Finland, project "Embrace the darkness"

2013 Corrector of Correspondence Seminar in Mathematics
"Malynár" for primary school pupils

⚙ WORK EXPERIENCE

📅 feb 2024 - jun 2024
📍 Východoslovenská distribučná, a.s., Košice

Data Science Intern
Multiclass classification of customer intents using machine learning methods

🎓 EDUCATION

📅 2022 - present
📍 Pavol Jozef Šafárik University in Košice, Faculty of Natural Sciences

Master's studies in Data Science and Artifical Intelligence
graduating in May 2024

📅 2020 - 2021
📍 Charles University in Prague, Faculty of Mathematics and Physics
Uncompleted degree

Master's studies in Mathematics of Information Technologies

📅 2016 - 2020
📍 Charles University in Prague, Faculty of Mathematics and Physics

Bachelor's studies in General Mathematics
Specialization in Mathematical Structures

📅 2012 - 2016
📍 Gymnázium Poštová 9, Košice, Slovakia

High school
Class with extended teaching of Mathematics

📅 2011 - 2016
📍 The School Blore, Košice, Slovakia

English language school
Preparation for the Cambridge exam CAE

📅 aug 2014 - dec 2014
📍 Northwest High School, McDermott, Ohio, USA

Exchange program in the U.S.

🏆 ACHIEVEMENTS

- 📅 2024 1st place in Student Scientific Conference selected by Košice IT Valley
- 📅 2024 2nd place in Student Scientific Conference selected by UPJŠ international round admission (will be in May 2024)
- 📅 2014 7th place in regional round of Mathematics Olympiad cathegory B
- 📅 2013 3rd place in regional round of Mathematics Olympiad cathegory C
- 📅 2013 5th place in national round of physics competition "náboj"
- 📅 2013 3rd place in regional round of Physics Olympiad cathegory D
- 📅 2012 2nd place in regional round of Mathematics Olympiad cathegory Z9
- 📅 2011 1st place in regional round of Pytagoriáda P8, national round admission

THESES

📅 2024

Operational state complexity over unary automata with half of the states final
Master thesis

📅 2020

Pemutation group algorithms
Bachelor thesis