Gabriela Suchopárová

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EDUCATION	**Charles University**, Faculty of Mathematics and Physics, Prague	
	▪ PhD in Theoretical Computer Science and Artifitial Intelligence	Oct 2021 – present
	▪ Master's in Artificial Intelligence	Oct 2019 – Sep 2021
	• Thesis: Graph neural networks for NAS performance prediction	
	▪ Bachelor of Computer Science	Oct 2016 – Jun 2019
	• Thesis: Evolutionary Optimization of Machine Learning Workflows	

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Institute of Computer Science, Czech Academy of Sciences, Prague   Mar 2020 – now
- Position: Research assistant
  - Focus: Neural Architecture Search, AutoML

BISOP — Centre for Modelling of Biological and Social Processes   Apr 2020 – now
- Epidemiological models for COVID-19 (SEIR)
- Role: Script development, hyperparameter fitting, data visualization, contribution to general discussion

NeuronSW, Prague   Jul 2019 – Apr 2020
- ML and IoT startup — predictive analysis of machines based on audio data
- Position: Junior Machine Learning scientist
  - Focus: Audio data analysis, model development

Alza.cz, Prague   Jul 2017 – Sep 2017
- e-commerce store
- Position: Intern
  - Created a sample e-shop in a team of interns using C# and ASP.NET
  - Role: project lead, backend development

PUBLICATIONS

G. Suchopárová and R. Neruda, "Genens: An AutoML System for Ensemble Optimization Based on Developmental Genetic Programming," 2020 IEEE Symposium Series on Computational Intelligence (SSCI), pp. 631-638, doi: 10.1109/SSCI47803.2020.9308582.

LANGUAGES
- English: CAE certified (level C2)
- French: DELF certified (level B2).
- German: conversational
  - Spent one year in Munich as a child
- Japanese: basics (about B1 level)

SKILLS

Programming languages
- **Python**
  - numpy, scikit-learn, pandas, matplotlib, seaborn
  - TensorFlow, PyTorch
- C#, C++, Bash
- C, Java, SQL, R (basics)

Technologies and other skills
- Git, jupyter notebook, testing
- Experience with deep learning
  - Computer vision — image classification, segmentation, object detection
  - NLP — speech recognition, attention networks, sequence classification, BERT finetuning
  - Generative models, semi-supervised learning
  - Deep reinforcement learning
- Evolutionary algorithms

Research interests
- AutoML and neural architecture search, applications of deep learning, representation learning