BOHDAN FOROSTIANYI

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SUMMARY

Last-year Master's Computer Science student at AGH University Of Science and Technology in Cracow, Poland with industrial experience in software development and research and management skills obtained while leading a student research organization at the university. See LinkedIn profile for details.

SKILLS

Languages: SQL, Python, TypeScript, JavaScript, C#, C++.

Libraries: **DS & AI**: PyTorch, Pandas, Numpy, SciPy, Flask, Gradio, Google OR-Tools, Weights & Biases, **DevOps**: Docker, Kubernetes, **Frontend**: Angular, React, D3.js.

PROJECTS

Python	**Introduction to Artificial Intelligence** **repository** A software suite to assist in teaching Artificial Intelligence course at AGH University of Science and Technology
Python, TensorFlow Probability	**Lungs Lesion Detection** **repository** Research project focused on detection of cancer lesions in lungs using Bayesian Neural Networks
Google OR Tools, C#	**Capacity Planning Solver** **repository** Solver with multiple models for fleet structure optimization problem
ReactJS, TypeScript, Julia	**Schedule.it** **frontend repository, backend repository** Web application for solving Nurse Scheduling Problems tailored to comply with Polish Law regulations developed for charitable foundation operating in Poland.

EDUCATION

9/2018 – 1/2018 tuition waiver for the 1st year, scholarship holder for the 2nd year	**Bachelor of Computer Science** **Full-time studies at the Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering** Overall study mark: 4.61/5. Thesis: Fleet Structure Optimization in Vehicle Routing Problems.
7/2023	**Machine Learning Summer School on Applications in Science** **ML in PL Summer School** One week Summer School providing lectures on applications of ML in math, physics, astronomy and medicine
1/2022 – 7/2024 ongoing	**Master of Computer Science** **Full-time studies at the Faculty of Computer Science** Thesis: Development of Multi-Agent system for cooperation in real-time strategy environment
9/2023 – 2/2024	**Exchange studies as an Erasmus student** **École nationale supérieure d'informatique et de mathématiques appliquées de Grenoble** Exchange at Data Science and AI track in *Master of Science in Informatics at Grenoble* programme

EXPERIENCE

10/2019 – 8/2021	**Software Developer at the Rocket Team** **AGH Space Systems student organization** · Development of ground station for rocket hardware management `Python / Work in multidisciplinary team`
7/2020 – 1/2022	**Full Stack Web Developer** **Comarch S.A.** · Development and support of sales management application at the Research and Development division `SQL / C# / Angular`
8/2021 – 10/2023	**AI Engineer** **Optidata Sp. z. o.o.** · Participation in the internal research project with geospatial data analysis as primary responsibility · Development, support, testing and result verification for VRP solvers used in the company. `SQL / C# / Python / Research skills`
8/2020 – ongoing	**Organization leader at Glider student organization** **Glider student organization** · Organization of events, conference travels, members recruitment and classes · Development of educational and applied software, research `TypeScript / Python / Management skills / Research skills`

LANGUAGES

Ukrainian - native, **English** - C1, **Polish** - C1, **Czech** - A2, **French** - A1