Karol Latos

Web Developer / Data Engineer

Positively-minded and fast-learning Computer Science graduate with clean coding standards. 4 years of experience working in projects and developing software, paired with a comprehensive understanding of the theory surrounding computer science, probability and statistics, and artificial intelligence. Skills in Python, Java and SQL; but also Matlab and C++. Web application developer on back-end, with a basic front-end knowledge. Expanding knowledge and growing is a crucial aspect of my life. Data enthusiast.

Contact

Website
rol-x.github.io

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Perks

Actual analytical skills and critical thinking

Regular user of: numpy, pandas, matplotlib, seaborn and sklearn

Research-oriented mind

Strong mathematical backbone (enthusiast)

No sense of humor

Interests

Self-improvement

Mathematics

Cinematography

Critique of culture

Gardening

Projects

20+ programming projects developed during commercial work, my studies and in my free time. Most notable involve:

- **Status Radar**: web application developed on back-end at Kyndryl (Java Spring Boot)
- Implementation of a **stochastic Ant Colony System** to solve the Travelling Salesman problem (Python)
- Implementation of **evolution strategy** in gray box function parameter estimation (Python)
- Tutor's **schedule creator,** based on the availability of individual students (Python)
- Console games**: memory cards, poker, text RPG** (C++, C#)
- **Partial**, **nonlinear, ordinary differential equation solvers** (C++)

...and other minor projects including implementation of popular algorithms, optimizations methods and data visualization.

Education

2018 - 2022 **Bachelor of Science: Interdisciplinary IT studies with specialization in Informatics**

Silesian University Of Technology - Gliwice

- Co-authored a paper on package delivery via drones
- Received the Dean's Scholarship for year 2019/2020
- Continuing education in Informatics, Data Science
- Written a thesis about containerization of data pipeline stages in data warehouses

Languages

English   Polish