Anton Mirgorodchenko

📍 Košice, Slovakia ✉ forwork.anton@gmail.com in https://www.linkedin.com/in/green-wizard/

⬙ https://github.com/GreenWizard2015 ⬙ https://stackoverflow.com/users/3797387/green-wizard

⬙ @GreenWizard89

About me

I am an experienced and dedicated software developer from Ukraine with over 9 years of expertise. I possess a strong passion for my work and consistently strive for professional excellence.

My skills include:

- Programming languages: Python, Java, PHP
- Web development: PHP, WordPress, front-end and back-end, SEO
- Machine learning: TensorFlow, NLP, computer vision, reinforcement learning

I am proficient in developing innovative solutions and writing high-quality code. Throughout my career, I have successfully contributed to diverse projects in areas such as web development, automation, data processing, and machine learning.

I prioritize clean code and follow best practices such as TDD, refactoring, and design patterns. My attention to detail and commitment to excellence ensure the delivery of robust and efficient software solutions.

Despite physical limitations due to cerebral palsy (CP), I remain determined and persevere in overcoming obstacles. My professional track record demonstrates my ability to adapt to different project requirements and consistently deliver optimal results.

I am currently seeking new opportunities to contribute my skills and expertise to make a meaningful impact. If you are looking for a committed and adaptable software developer, I welcome the opportunity to discuss how I can contribute to your organization's success.

Thank you for considering my application.

Skills

Python
numpy, pandas, scipy, matplotlib, flask, ntlk

PHP, HTML/CSS, JavaScript
ReactJS, jQuery, Bootstrap, Wordpress

TensorFlow (Machine learning)
CV, NLP, RL

OpenCV
Image processing, object detection, augmentation

Algorithms and data structures
Computing patterns in strings, streaming algorithms

Professional Experience

2012 – present	**Software Engineer** • serverside optimization, plugins development (PHP, Wordpress); • redesign and SEO (HTML, CSS, JavaScript);

- data aggregation from external sources (Python).
- high performance web-scrapping (over 2500 RPM, C++, Java);
- own DB solution, with high performance and low space consumption (Java);
- scripts for administrative purposes.

2019   **Software Developer, Reports generation for SMM agency**
- data aggregation from social networks;
- users behavior analysis;
- web-service for interaction with the system.
Technologies: Python, Selenium, ReactJS, MySQL, VDS (Ubuntu).

Projects

Article "Harness the power of generative AI for software development" (GitHub The ReadME Project) ⬀
An article discussing the utilization of artificial intelligence in software development. Published on The ReadME Project, which is a part of GitHub's continuous initiative to amplify the voices of the developer community.

User Country Analytics ⬀
The project involved creating a Laravel and ReactJS application with a focus on code maintainability, testability, and using AI assistants (ChatGPT, Copilot) to aid in development and enhance productivity.

FranNet ⬀
FranNet is a neural network architecture that combines a CNN encoder with a NeRF-like decoder to perform upscaling, denoising, and colorization of images, aiming to explore the capabilities and limitations of this approach as a proof of concept.

Hungry Geese (Kaggle) ⬀
AI for multiplayer Snake game. Was used basic Q-learning algorithms, some advanced techniques (I. e. REDQ ⬀), imitation learning, iterative self-playing, and other methods.

Sartorius - Cell Instance Segmentation (Kaggle) ⬀
Cell instance segmentation using deep watershed algorithm, semi-supervised learning and pseudo-multimodality.

Certificates

Advanced Reinforcement Learning: policy gradient methods ⬀ *(Udemy, 08/2022)*

NLP - Natural Language Processing with Python ⬀ *(Udemy, 07/2021)*

Time Series Analysis Real World Projects in Python ⬀ *(Udemy, 07/2021)*

Convolutions for Text Classification with Keras ⬀ *(Coursera, 06/2021)*

Education

2006 – 2011   **Open International University of Human Development "Ukraine",** *Master's degree*
Maintenance of computers and computer networks

Languages

Ukrainian | Russian | English