Olena Tokova

elenatokareva363@gmail.com | **781-640-59-71** | **Reading**, MA 01867 | Olena Tokova | LinkedIn

Profile

Motivated and highly skilled Research Assistant with 8+ years of experience in computer science and machine learning algorithms. Proficient in Python, data preprocessing, feature extraction, and model estimation. Strong analytical and problem-solving skills with a commitment to staying abreast of emerging research trends. Seeking to apply my extensive industry knowledge and skill-set at Applied Materials as your newest Software (Technical) Support Engineer II.

Work Experience

***Ukraine National Academy of Sciences Ministry of Education and Science, International Research and Training Center for Information Technologies and Systems** / Kyiv, Ukraine/ Research Assistant/ November, 2012 - December, 2021*

- Developed a method for express determination of chemical composition of the melt based on proximity evaluation of cooling process functions (achieved 95% accuracy rate).
- Improved efficiency of modeling thermal processes of cooling in foundry by developing computer technology to support molder decisions in manufacturing castings (reduced production time by 15%).
- Constructed models using the combinatorial algorithm GMDH to analyze the dependence of cooling temperature of iron casting on sand filler operating modes (achieved 80% accuracy) and the dependence of physical and mechanical properties of high-strength cast iron on melt chemical composition (identified key factors for optimal strength properties).

***Ukraine National Academy of Sciences Ministry of Education and Science, International Research and Training Center for Information Technologies and Systems** / Kyiv, Ukraine/ Layout Editor of "Control Systems and Computers" magazine/ Sep 2018 – Nov 2021*

- Created visually appealing layouts that effectively highlight content and engage readers.
- Experience with design programs such as Adobe InDesign and have a good understanding of typography, color selection, and overall design aesthetics.
- Highly organized and pays close attention to detail. Experienced in managing multiple editing projects simultaneously, ensuring each article adheres to journal formatting guidelines and publication style.
- Create a clearly defined workflow that includes proofreading, collaboration with writers and other team members, and meeting strict deadlines to ensure a smooth production process.

***Ukraine Ministry of Ecology and Natural Resources** / Kyiv, Ukraine/ Contract, Engineer/ February, 2013 - January, 2014*

- Developed and updated geospatial databases and datasets, resulting in a 20% increase in data accuracy and reliability.
- Conducted spatial analysis and modeling to compare data with newly selected data, leading to a 15% improvement in data insights and decision-making.
- Monitored and processed geoprocessing tasks using ArcGIS geographic information systems

Education

Bachelor Degree / Applied Mathematics.
InterRegional Academy of Personnel Management, Kyiv, Ukraine, 2006-2011

English classes - Accelerated Career English
Holyoke Community College, Holyoke, USA, Jan, 8 – currently

AI-Powered Business and Data Analytics Specialist, Training Program
Network Technology Academy Institute, Somerville, MA, USA, Dec, 4 – currently

Skills and Certifications

• Proficient in utilizing spreadsheets, including Microsoft Excel and Google Sheets
• Experienced in statistical programming languages for analyzing large data sets, such as Python
• Familiar with Artificial Intelligence and Machine Learning Systems
• Skilled in data analysis
 • Proficient in Adobe packages, such as Photoshop, Illustrator, and InDesign
• Strong communication, teamwork, problem-solving, adaptability, and time management skills

Additional Resume Section

Currently I am undergoing AI-Powered Business and Data Analytics training at Network Technology Academy Institute, focusing on mastering Python, SQL, and open-source libraries for data manipulation and analysis. Developing skills in data visualization tools like PowerBI to create insightful visualizations. I am planned to apply these newfound skills in data science, finance, and web development to contribute towards innovative solutions and company growth.

In addition to my technical skills, I also have strong communication and teamwork abilities that allow me to work effectively with cross-functional teams and stakeholders. I am detail-oriented and focused on delivering high-quality results in a timely manner. I am motivated to continuously learn and stay updated on the latest industry trends and technologies.

Excited about the opportunity to leverage my expertise in problem-solving, software troubleshooting, and analytical abilities in a dynamic work environment like Applied Materials. Eager to collaborate with the team to provide technical support and contribute to product quality improvements.