



PERSONAL INFORMATION

Name	TARAS USTYIANOVYCH
Date and place of birth	20.03.2000, LVIV, UKRAINE
Title	Ph.D. student, Lviv Polytechnic National University
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Thomson Reuters Researcher ID	AAO-5002-2020 , http://www.researcherid.com/rid/J-9160-2014
Scopus Author ID	57208343279 , http://www.scopus.com/authid/detail.uri?authorId=57208343279
Google Scholar Author ID	PoojbBgAAAAJ&hl , https://scholar.google.com.ua/citations?user=PoojbBgAAAAJ&hl=uk&oi=ao
ResearchGate ID	Taras-Ustyianovych

ACCOMPLISHMENTS

Citation:

- h-index Scopus: **6**
(total citations: 132, papers - 9)
- h-index Google Scholar: **6**
(total citations: 154, papers - 18)
- Published more than 20 scientific papers, 1 monograph, 1 patent.
- Member of conference organization committees.
- Lecturer and expert of IT programs at leading Ukrainian Universities and educational institutions

EDUCATIONAL BACKGROUND

2023-Now	Lviv Polytechnic National University, Systems of Artificial Intelligence Department, Lviv, Ukraine. Enrolled as Ph.D. Student in Computer Science.
2021-2022	Lviv Polytechnic National University, Social Communication, and Information Activities Department, Lviv, Ukraine Title of qualification awarded: Diploma with Honours of Master's in Information, library and archival studies
2017-2021	Lviv Polytechnic National University, Social Communication, and Information Activities Department, Lviv, Ukraine Title of qualification awarded: Diploma with Honours of Bachelor's in Information, library and archival studies

WORKING EXPERIENCE

April 2019-Now	EPAM Systems, Lviv, Ukraine Position: Lead Software Engineer
October 2020-October 2021	Research Laboratory "Analytical Center for Social Communications Technologies", Lviv, Ukraine Position: Analyst

PROFESSIONAL ACTIVITIES

CONFERENCE ORGANIZATION AND CONFERENCE TECHNICAL PROGRAM COMMITTEE (TPC) MEMBER

International Workshop on Conflict Management in Global Information Networks (CMiGIN 2019), Lviv, Ukraine, November 29, 2019 (Scopus)

International Workshop on Cyber Hygiene (CybHyg-2019), Kyiv-Lviv, Ukraine, November 29-30, 2019 (Scopus)

2nd International Workshop on Control, Optimisation and Analytical Processing of Social Networks (COAPSN 2020), Lviv, Ukraine, May 21, 2020.

TEACHER/LECTURER AND EDUCATION CONTRIBUTOR

Co-author and scientific-methodical commission member for the development of the Bachelor's educational and professional program in Social Communication and Information Activities at Lviv Polytechnic National University

Speaker at EPAM Autumn Data Conference 2023. Topic: "Cutting through the noise. How to detect misleading content". November 2023

Expert and lecturer of DevOps Enterprise delivery platforms module in Master's Degree Program in Software Engineering at National University of "Kyiv-Mohyla Academy"

Technical talk. Topic: "How to improve Application Performance in one afternoon". EPAM Systems, Big Data Community, October 2019, Lviv

Soft skills talk. Topic: "The A-Z Guide to Charisma". EPAM Systems, Operational Intelligence Community, October 2021, Lviv

Speaker at DES-2022 Winter school. Topic: "A Brief Introduction to Monitoring and Logging", January 2022, Lviv.

ENTERPRISE & TECHNICAL LEADERSHIP

Coordinator of Databricks Machine Learning Certification program at EPAM Systems

Artificial Intelligence Operations (AIOps) Tech Lead at EPAM Systems Operational Intelligence Practice

Author of two technical articles on a Ukrainian IT Forum Developers Org Ua. Main topics: Site Reliability Engineering; Machine Learning Operations

RESEARCH GRANTS, PROJECTS

2023	Research-engineer at "Data Fusion in Biological Research" project as part of UCU Lviv Data Science Summer School 2023
2023-2024	Research Grant from the Canadian Institute of Ukrainian Studies (University of Alberta)
2020-2021	Development of a promoting methodology for the project "Leaders of Ukraine" in the Internet. Research Laboratory "Analytical Center for Social Communications Technologies"

HONORS AND AWARDS

2022	Academic Scholarship of the President of Ukraine for students.
2020	Vyacheslav Chornovil Regional Prize for students of professional higher and higher education institutions. Lviv, Ukraine.
2019	Academic Scholarship of the President of Ukraine for students.
2019	Lviv Regional State Administration Award for best students & young scientist.
2019	Third place at Librarian, Archival and Document Affairs Scientific Competition. Odessa, Ukraine.
2019	First place for the VIII Ukrainian Competition "Moral Act". Kyiv, Ukraine.

PERSONAL SKILLS AND COMPETENCES

Mother tongue	Ukrainian
Other languages	English (C1) German (B2) Good understanding of all Slavic languages
Social and communication skills	Capacity for teamwork (job experience, team sports) Communication and debate culture (job experience, course of studies, student representative) Conflict handling skills (job experience, student representative) Diligence (entrepreneurship, co-operative program of work and study) Learning aptitude (job experience, academic studies, advanced training) Flexibility and openness (job experience, self-development)
Organizational / managerial skills	Leadership (job experience, currently responsible for a team of 15 people) Strategic thinking and conceptual skills (job experience) Project management (job experience) Presentation techniques (job experience, academic teaching, seminars) Accuracy (job experience, self-development) Problem solving capabilities (job experience)

SOCIAL PROJECTS

2017 – 2022	Student head of Research Cluster "IntelliGO"
2017 – 2022	Member of Student society "SKIDActive" & SKIDDigest
2020-2021	Amazon Web Services (AWS) Student Cloud Ambassador
2020	eKids EPAM Python trainer, Lviv, Ukraine
2019	Lecture on Fake News identification on the Internet, Lviv, Ukraine
2019	Participant at Join IT: career guidance meetings from IT Association of Ukraine

QUALIFICATIONS

2023	UCU Lviv Data Science Summer School 2023
2022	UCU Lviv Data Science Summer Courses 2022 (Online)
2021-2024	AWS Certified: Machine Learning Specialty
2020-2025	Microsoft Certified: Azure Data Scientist Associate
2023-2026	Databricks Machine Learning Professional Certification

SCIENTIFIC PUBLICATIONS

Books and Book Chapters

Solomiia Fedushko, Yuriy Syerov, Taras Ustyianovych. **Trends and Challenges in Educational and Medical Data Analysis: Monograph**. LAP Lambert Academic Publishing, 2019. p.132. ISBN: 978-3-330-32871-6

Refereed Journals

Fedushko, S.; Ustyianovych, T.; Syerov, Y. **Intelligent Academic Specialties Selection in Higher Education for Ukrainian Entrants: A Recommendation System**. J. Intell. 2022, 10, 32. <https://doi.org/10.3390/jintelligence10020032> (Q2)

Fedushko, S.; Ustyianovych, T. **E-Commerce Customers Behavior Research Using Cohort Analysis: A Case Study of COVID-19**. J. Open Innov. Technol. Mark. Complex. 2022, 8, 12. <https://doi.org/10.3390/joitmc8010012> (Q1)

Fedushko S. Ustyianovych T, Syerov Y, Peracek T. **User-Engagement Score and SLIs/SLOs/SLAs Measurements Correlation of E-Business Projects Through Big Data Analysis**. Applied Sciences. 2020; 10(24):9112. <https://doi.org/10.3390/app10249112> (Q2)

Fedushko S. Ustyianovych T, Gregus M. **Real-Time High-Load Infrastructure Transaction Status Output Prediction Using Operational Intelligence and Big Data Technologies**. Electronics. 2020; 9(4):668. <https://doi.org/10.3390/electronics9040668> (Q2)

Fedushko S. Ustyianovych T. (2021) **Operational Intelligence Software Concepts for Continuous Healthcare Monitoring and Consolidated Data Storage Ecosystem**. In: Hu Z., Petoukhov S., Dychka I., He M. (eds) Advances in Computer Science for Engineering and Education III. ICCSEEA 2020. Advances in Intelligent Systems and Computing, vol 1247. Springer, Cham. https://doi.org/10.1007/978-3-030-55506-1_49

Fedushko S. Ustyianovych T. (2019) **Predicting Pupil's Successfulness Factors Using Machine Learning Algorithms and Mathematical Modelling Methods**. In: Hu Z., Petoukhov S., Dychka I., He M. (eds) Advances in Computer Science for Engineering and Education II. ICCSEEA 2019. Advances in Intelligent Systems and Computing, vol 938. Springer, Cham. pp 625-636. https://doi.org/10.1007/978-3-030-16621-2_58

Fedushko S., Michal Gregus ml., Ustyianovych T. **Medical card data imputation and patient psychological and behavioral profile construction**. Procedia Computer Science. Volume 160, 2019, Pages 354-361. <https://doi.org/10.1016/j.procs.2019.11.080> (Q2)

N. Khymytsia. T. Ustyianovych. **Evaluation of consolidated statistical data cliometric characteristics simulated in the R programming language**. Scientific Bulletin of UNFU, 31(1), 2021, pp. 55-61. [Link](#)

Refereed Conferences

Nadiia Kasianchuk, Sofiia Harkava, Sofiia Onishchenko, Olesia Solodka, Daria Shyshko, Eduard Siemens, Halina Falfushynska and Taras Ustyianovych. **Computational Breakthroughs in Aquatic Taxonomy: The Role of Deep Learning and DNA Barcoding** // Proceedings of International Conference on Applied Innovation in IT 2024/03/07, Volume 12, Issue 1, pp. 79-87. DOI: 10.25673/115645

Taras Ustyianovych, Nadiia Kasianchuk, Halina Falfushynska, Solomiia Fedushko and Eduard Siemens. **Dynamic Topic Modelling of Online Discussions on the Russian War in Ukraine** // Proceedings of International Conference on Applied Innovation in IT. Volume 11, Issue 2, pp. 81-89. DOI: 10.25673/112997

D. Zhuravchak, T. Ustyianovych, V. Dudykevych, B. Venny and K. Ruda. **Ransomware Prevention System Design based on File Symbolic Linking Honeypots**. 2021 11th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2021, pp. 284-287, <https://doi.org/10.1109/IDAACS53288.2021.9660913>

Khymytsia N. Ustyianovych T., Drnyuk I. **Identification and Modeling of Historiographic Data in the Content of Web Forums**. International Workshop on Control, Optimisation and Analytical Processing of Social Networks. Lviv. <http://ceur-ws.org/Vol-2392/paper23.pdf>

Ustyianovych, T. and Fedushko, S.. **Systems for Monitoring Physical and Psychological Conditions of the Person in Real-Time**. Keynote Speaker, IREHI, 2019 (p. 189).

T. Ustyianovych, S. Fedushko. **Systems for Monitoring Physical and Psychological Conditions of the Person in Real-Time**. In IREHI, p. 189. 2019. (Keynote speech). [Link](#).

T. Ustyianovych., D. Zhuravchak, Dudkevich V. **Integration of information entropy calculation for the DNS protocol attacks identification in the Splunk ecosystem**. Data Protection in Information and Communication Systems Conference Proceedings. 2019, Lviv. [Link](#).

T. Ustyianovych., N. Khymytsia. **Crowdsourcing as a mechanism for optimizing the educational and scientific process in higher education**. Proceedings of the 10th Scientific-Practical Conference "Innovative Computer Technologies in High School". 2018, Lviv.

O. Tsubova, T. Ustyianovych. **Recent trends in slang words usage**. Proceedings of the 76th Student Scientific and Technical Conference. 2018, Lviv Polytechnic.

T. Ustyianovych, N. Khymytsia. **Application of machine learning algorithms for the study of Galicia population's social characteristics in the interwar period (1919-1939)**. In VIIIth International Youth Science Forum Litteris et Artibus: proceedings, pp. 96-101. 2018.

N. Khymytsia., T. Ustyianovych. **Usage of R programming language for semantic Twitter data analysis**. International conference "Information, Communication, Society" Proceedings. PP. 294-295, 2018.

N. Khymytsia, T. Ustyianovych. **Application of big data in historical science**. In VIIth International Youth Science Forum Litteris et Artibus: proceedings. PP. 375-376, 2017. Lviv Polytechnic Publishing House.

Fedushko S., Syerov Yu., Ustyianovych T., certificate of the copyright registration for the scientific manuscript №89318 **"Trends and Challenges in Educational and Medical Data Analysis"**, Ukraine, issued June 16, 2019 (in Ukrainian).

Patents in Ukrainian