

School schedule		
AITSS-2023		
26.06.2023		
9.00 -10.00	Opening ceremony of the school	
	Volodymyr Melnyk - Rector at Ivan Franko National University of Lviv Dmytro Zavgorodnii - Deputy Minister of Education and Science of Ukraine for digital development, digital transformations, and digitalization Sviatoslav Kavetskyi - Director of Industry Affairs at N-iX Ihor Kostiv - Associate Vice President, Engineering at Global Logic Denys Grynov - Head of EPAM University in Ukraine Ivan Korzhov - Country Manager at Infopulse Volodymyr Sytnikov - CEO at Brainstack Oleksandr Bornyakov - Deputy Minister of Digital Transformation for IT Development Martin Braun - Co-Founder at NeuroForge and Tobias Hertkorn CEO groupXS Julia Tsymbala - Education Lead at Lviv IT Cluster Vitaliy Kukharskyi - Vice-Rector for Research, Teaching and IT-Development Ivan Franko National University of Lviv Anastasiia Pavlenko - Moderator AIT	
	Core A	Core B
10:00-11:20	Python: Python basics. Python for data analysis. Python for visualization. Python for data mining. Ihor Sharmanskyi, Data Scientist Boosta	Faculty of Electronics and Computer Technologies. Presentation of educational programs. Yuriy Furgala - Dean of Electronics and Computer Technologies. Presentation of educational programs
11:20-11:40	Break	
11:40-13:00	Machine Learning toolchain: Numpy, Pandas, Scikit-learn. TensorFlow, Keras, PyTorch. Vitalii Miroshnychenko, Lead Software Engineer, GlobalLogic	Creative lecture. Yuriy Furgala - Dean of Electronics and Computer Technologies
13:00-14:00	Break	
14:00-15:20	From classical to quantum bit, Volodymyr Tkachuk, Professor, D. Sc, Chairman of the Department for Theoretical Physics, Ivan Franko National University of Lviv	Vitaly Gorlach, Ph.D., Phys.-Math., Science, Associate Professor Information Systems, deputy dean. Faculty of Applied Mathematics and Informatics. Presentation of educational programs. The lecture will be in Ukrainian
15:20-15:40	Break	Break
15:40-17:00	Multi-qubit quantum states and their preparation on a quantum computer, Khrystyna Gnatenko, Professor, D. Sc, Ivan Franko National University of Lviv, Department for Theoretical Physic	"Comprehension of natural languages in machines" Yuriy Muzychuk, Doctor of Physics and Mathematics, Science, Associate Professor Computational Mathematics, Software Architect, JustAnswer. Faculty of Applied Mathematics and Informatics. The lecture will be in Ukrainian.
27.06.2023		
	Core A	Core B
10:00-11:20	Big Data: Big Data in AWS, Big Data in GCP, Big Data in Azure. Big Data Visualization. Faryna Marian, Principal Software Developer Sigma Software University	Faculty of Mechanics and Mathematics. Presentation of educational programs. Marta Maloid-Hliebova Vice-dean of Faculty of Mechanics and Mathematics, Ivan Franko National University of L'viv. The lecture will be in Ukrainian
11:20-11:40	Break	Break

11:40-13:00	Cloud services and technologies (AWS). Volodymyr Chernetskyi, Senior DevOps (AWS) Engineer at Intellias	"Statistical Data Analysis" Oleh Buhrii, Doctor of Science, Professor, Head of Department of Mathematical Statistics and Differential Equations, Faculty of Mechanics and Mathematics, Ivan Franko National University of Lviv, The lecture will be in Ukrainian
13:00-14:00	Break	Break
14:00-15:20	"Neural networks. Advanced Backpropagation Algorithm". Andy Bosiy MindCraft.ai, CEO/Founder with the presentation	Faculty of Physics. Presentation of educational programs
15:20-15:40	Break	Break
15:40-17:00	Advanced statistical methods for linear regression Vitalii Miroshnychenko, Lead Software Engineer, GlobalLogic	"Faculty of Physics. Creative lecture Head of the Department of Astrophysics Melech Bohdan "Nucleosynthesis and life in the universe"
28.06.2023		
	Core A	Core B
10:00-11:20	Practical course. From classical to quantum bit, Volodymyr Tkachuk, Professor, D. Sc, Chairman of the Department for Theoretical Physics, Ivan Franko National University of Lviv	Deep learning. Vitalii Miroshnychenko, Lead Software Engineer, GlobalLogic
11:20-11:40	Break	Break
11:40-13:00	Practical course. Multi-qubit quantum states and their preparation on a quantum computer, Khrystyna Gnatenko, Professor, D. Sc, Ivan Franko National University of Lviv, Department for Theoretical Physic	"First Interview: Tips & Tricks". Valeriia Bieliavtseva, Recruiter at Boosta
13:00-14:00	Break	Break
14:00-15:20	Unsupervised Machine Learning. Vasyl Lyashkevych, Solution Architect, GlobalLogic	"Prompting ChatGPT: how to optimize your studying". Volodymyr Liashenko, Business Analyst, Leopolis Group. Anhelina Zinchenko, Junior Business Analyst, Leopolis Group
15:20-15:40	Break	Break
15:40-17:00	Deep learning. Vitalii Miroshnychenko, Lead Software Engineer, GlobalLogic	
29.06.2023		
	Core A	Core B
10:00-11:20	Databases: Relational, non-relational, distributed databases. Data warehouse, ETL, Data Workflows. Vasyl Lyashkevych, Solution Architect, GlobalLogic	
11:20-11:40	Break	Break
11:40-13:00	Topic about Advanced Machine learning. Vasyl Lyashkevych, Solution Architect, GlobalLogic	
13:00-14:00	Break	Break
14:00-15:20	Project Management in IoT Projects. Mykola Chernyavskyi, Project manager, Indeema Software	
15:20-15:40	Break	Break
15:40-17:00	The pitfalls of trying to extract causal insights from a predictive machine learning model. Halyna Dychko, Middle Data Science N-iX	

30.06.2023		
	Core A	Core B
10:00-11:20	Frontend. How to start & why it is important + AI. Yurii Yevstafiiiev, Software Engineering Manager Head of JS Unit EPAM UA South	
11:20-11:40	Break	Break
11:40-13:00	Big Data - Introduction. Review. Growth. Marian Fediv - Lead Software Engineer Cross-location BigData Lab Leader EPAM	
13:00-14:00	Break	Break
14:00-15:20	Performance Testing. The path with bricks and candies. Yevhen Leshchynskyy - Senior Performance Analyst Performance testing lab leader at EPAM WEST EPAM	
15:20-15:40	Break	Break
15:40-17:00	EPAM	
03.07.2023		
	Core A	Core B
10:00-11:20	"Local LLM (Large Language model) deployment", Vasyi Davydko, Managing Partner, Leopolis Group. Vladyslav Kidyba, Senior analyst, Leopolis Group	
11:20-11:40	Break	Break
11:40-13:00	Android basics. Android development roadmap. Marta Balahurak, Senior Android Developer, Kindgeek	
13:00-14:00	Break	Break
14:00-15:20	Enhancing Game Board Experiences on iOS: Exploring Vision-based Techniques for Recognition and Placement Using CoreML and Vision Framework. Liubomyr Drevych, Middle iOS Swift Developer Intellias	
15:20-15:40	Break	Break
15:40-17:00	"The Uncharted Path: Exploring ML Component Testing". Dmytro Yuzvak, Senior QA Engineer, SQUAD	
04.07.2023		
	Core A Day groupXS & NeuroForge	Core B
10:00-11:20	Industry 5.0: Why AI is not the solution for everything (and how do software projects start at all)? (Part 1:Oliver Fehmel and Stefan Diersch)	
11:20-11:40	Break	Break
11:40-13:00	Industry 5.0: Why AI is not the solution for everything (and how do software projects start at all)? (Part 2) (Nicolai Sticht) 100% remote working: Why I would never want to work differently, and why it's still not always rainbows and unicorns? (Nicolai Sticht)	
13:00-14:00	Break	Break
14:00-15:20	Data Science and AI Learnings from/for the Real World (Sebastian Lützw, Artem Shelamanov me)	
15:20-15:40	Break	Break

15:40-17:00	Orchestrating Machine Learning Trainings and Software with MLOps & DevOps (Sebastian Lützow, Artem Shelamanov, Martin Braun)	
05.07.2023		
	Core A	Core B
10:00-11:20	Web development: Integration AI in WebDev. Bohdan Trynka, Middle Software Developer, ELEKS	
11:20-11:40	Break	Break
11:40-13:00	S.O.L.I.D. and other practices. Iurii Bregman, Senior Software Developer, ELEKS	
13:00-14:00	Break	Break
14:00-15:20	Humanistic Approach to Time Management. Oleksandra Derevytska, Middle Test Engineer, ELEKS	
15:20-15:40	Break	Break
15:40-17:00	Go programming language. Andrii Stepko, Senior GoLang Developer at Intellias	
06.07.2023		
	Core A	Core B
10:00-11:20	Cloud Concepts. Vadym Popov, Expert IT Engineer (Cloud Solutions), Infopulse. Oleksii Ivanov, Expert IT Engineer (Cloud Solutions), Infopulse	
11:20-11:40	Break	Break
11:40-13:00	Introduction to Azure Cloud Services. Vadym Popov, Expert IT Engineer (Cloud Solutions), Infopulse. Oleksii Ivanov, Expert IT Engineer (Cloud Solutions), Infopulse	
13:00-14:00	Break	Break
14:00-15:20	Industry Cloud Platforms. Vadym Popov, Expert IT Engineer (Cloud Solutions), Infopulse. Oleksii Ivanov, Expert IT Engineer (Cloud Solutions), Infopulse	
15:20-15:40	Break	Break
15:40-17:00	Virtual reality, Metaverse, Digital twins. Vasyl Lyashkevych, Solution Architect, GlobalLogic	
07.07.2023		
	Core A	Core B
10:00-11:20	"Machine learning methods in LifeScience". Maksym Druchok, LifeScience R&D Lead at SoftServe Inc., PhD in theoretical physics	
11:20-11:40	Break	Break
11:40-13:00	Reserve	
13:00-14:00	Break	Break
14:00-15:20	Reserve	
15:20-15:40	Break	Break
15:40-17:00	Reserve	
17:00-18:00	Official closing of the school	