



Zoirov Ulmas

Date of birth: 16/03/1994

Nationality: Uzbek

Gender: Male

CONTACT

📍 18, Appartment 112, katta xirmontepa, Chilonzor district, Tashkent, Uzbekistan

✉ u.zoirov@nordicuniversity.org

☎ (+998) 975187161

Facebook:

<https://www.facebook.com/ulmas.zoirov.71>

Other: (+998) 946330208

WORK EXPERIENCE

2017–2017 Electronics Engineer, Technopark Of Turin Politechnic University

2019–2020 Software Engineer, Turin Politechnic University

2020-2021 Senior Researcher, Ministry Of Innovative Development, Scientific And Practical Center For Implementaion Of Innovative

2021-2022 Head Of Engineering Department, Ministry Of Innovative Development, National Office For Innovation

2022-2022 Assistant Lecturer, Department Of Digital Economy And Information Technology, Tashkent State University Of Economics

2022-2024 Assistant Lecturer, Department Of Artificial Intelligence, Tashkent State University Of Economics

2024-2025 Senior Lecturer, Department Of Information Systems And Technologies, Tashkent State University Of Economics

2025-CURRENT Senior Lecturer, Department of Industrial Management and Digital Technologies, Nordic International University

EDUCATION AND TRAINING

2007 – 2011 – Tashkent city, Uzbekistan

Bachelor degree (Computer Engineering)

Turin Politechnic University

Field(s) of study

General

- Electronic Systems,
- Operating System,
- Object-Oriented-Programing,
- Computer Architecture
- Networks
- Signal analysis
- Algoritms and Programing

2017 – 2019 – Turin, Italy

Master degree (Mechatronics Engineering)

Politecnico di Torino

Field(s) of study

General

- Robotics
- Electronic System for Mechtronics
- Modelling and Simulation of Mechtaronic systems
- Operating systems for embedded system

LANGUAGE SKILLS

MOTHER TONGUE(S): Uzbek

OTHER LANGUAGE(S):

English

Listening
B2

Reading
B2

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
B2

Russian

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B1

COMMUNICATION AND INTERPERSONAL SKILLS

Good communication skills gained through my experience as

- good communication skills gained through communicating with professors and students
- good negotiating skills gained through working the partners of university
- good communication skills gained through my experience as representative of the group before the customers.
- good communication skills gained during being an instructor and projects supporter of the preparatory and other students in the laboratory and technopark.

MY DIGITAL SKILLS

SELF-ASSESSMENT

- good command of Microsoft Office™ tools
- good command of software packages of statistical analysis, such as Smart PLS, AMOS, and SPSS
- good command of using all types of survey platforms, such as Google Drive, Google Spreadsheets, Survey Monkey

JOB-RELATED SKILLS

Job-related skills

strict discipline skills gained during working in Technopark-quick learning skills during requalifying to automation engineer from EECS engineer in Technopark

Java Developer skills

-Spring Boot, Spring Data(JDBC,JPA), Spring Security, JPA, Hibernate ORM, Thymeleaf, JUnit, Jwt.

Database skills

Postgresql, HQL(Hibernate Query Language)

Tools

Maven, Git, Docker, RabbitMQ, Redis

Teaching

- teaching and leading
- giving lecture, seminar, and laboratory (workshop) classes from the subjects of my field
- conducting an empirical research, survey and data analysis

Hardware engineering skills

- Develop circuit diagram, hardware, firmware, PCB for the start-ups
- Develop housing or other mechanisms for start-ups being accelerated
- Develop Power Systems for the start-ups being accelerated
- Developing prototypes for start-ups through 3D printing and modeling
- Support from Startup to production with consulting and mentoring

PUBLICATIONS

Educational literature

1. Zoirov U "Business Information Systems". Manual, Tashkent, 2023 y.
2. Zoirov U "Database". Textbook, Tashkent 2025 y.

List of scientific articles

1. R. Aman, M. Dilshod, Z. Ulmas, A. Kumar, M. Rizwan. A novel hybrid GWO-Bi-LSTM-based metaheuristic framework for short-term solar photovoltaic power forecasting. *Journal of Renewable and Sustainable Energy*, 2025, 17(4), 046101. Indexed in Scopus and Web of Science (WoS).
2. A. Abozeid, I. Alrashdi, V.S. Krushnasamy, ... Z. Ulmas, R. Abdulhadi. White blood cells detection using deep learning in healthcare applications. *Alexandria Engineering Journal*, 2025, 124, pp. 135–146. Indexed in Scopus and Web of Science (WoS).
3. I. Elhadad, I. Alrashdi, A.M. Albarrak, ... Z. Ulmas, Y.A.B. El-Ebiary. Improved healthcare diagnosis accuracy through the application of deep learning techniques in medical transcription for disease identification. *Alexandria Engineering Journal*, 2025, 123, pp. 112–123. Indexed in Scopus and Web of Science (WoS).
4. D. Nimma, O. Al-Omari, R. Pradhan, ... Z. Ulmas, Y.A.B. El-Ebiary, V.S. Rao. Object detection in real-time video surveillance using attention based transformer-YOLOv8 model. *Alexandria Engineering Journal*, 2025, 118, pp. 482–495. Indexed in Scopus and Web of Science (WoS).
5. F.A. Alijoyo, T.S.A. Aziz, N. Omer, ... Z. Ulmas, Y.A.B. El-Ebiary. Personalized marketing: Leveraging AI for culturally aware segmentation and targeting. *Alexandria Engineering Journal*, 2025, 119, pp. 8–21. Indexed in Scopus and Web of Science (WoS).
6. F.A. Alijoyo, T.N. Gongada, C. Kaur, ... Y.A.B. El-Ebiary, Z. Ulmas. Advanced hybrid CNN-Bi-LSTM model augmented with GA and FFO for enhanced cyclone intensity forecasting. *Alexandria Engineering Journal*, 2024, 92, pp. 346–357. Indexed in Scopus and Web of Science (WoS).
7. N. Kumari, Z. Ulmas, R. Suseendra, J.V.N. Ramesh, Y.A.B. El-Ebiary. Utilizing Federated Learning for Enhanced Real-Time Traffic Prediction in Smart Urban Environments. *International Journal of Advanced Computer Science and Applications*, 2024, 15(2), pp. 639–651. Indexed in Scopus and Web of Science (WoS).
8. Zoirov U. Intellectualization of the process of digital processing of images: create an algorithm. *Ekonomika i Sotsium (Economy and Society)*, 2024, №6(121), pp. 88–95.
9. Zoirov U. Digital transformation on small to medium-sized business enterprises. *Ekonomika i Sotsium (Economy and Society)*, 2023, №1(104), pp. 47–53.
10. Zoirov U. Mobile commerce in the modern era. *Ekonomika i Sotsium (Economy and Society)*, 2023, №2(105), pp. 62–70.
11. Zoirov U. Mobile commerce in the modern era. *Ekonomika i Sotsium (Economy and Society)*, 2023, №2(105), pp. 62–70.
12. Zoirov U. Developing an algorithm for the intellectualization of the digital image processing process. *Yashil Iqtisodiyot va Taraqqiyot (Green Economy and Development)*, 2024, №5, pp. 158–163.
13. Kobilov A., Zoirov U. Modern trends in the effective use of digital technologies in the educational process. *Proceedings of the International Scientific and Scientific-Technical Conference "University 4.0: Digital Technologies and Modern Trends in the Educational Process"*, March 18, 2023, pp. 420–425.
14. Rajabov Sh., Zoirov U. On the subject of international studies and digital technologies in the assessment of educational quality. *Proceedings of the International Scientific and Scientific-Technical Conference "University 4.0: Digital Technologies and Modern Trends in the Educational Process"*, March 18, 2023, pp. 434–439.
15. Zoirov U., Rajabov Sh., Abdulaxatov M. Creating website content using CMS systems. *Proceedings of the Republican Scientific-Practical Conference "Digital Transformation of Reality: Problems and Solutions"*, Tashkent, February 7, 2023, pp. 147–150.
16. M.M. Abdulakhatov, U. Zoirov "The implementation process of designing a digital organization. The problem to determine" *"Science and Education" Scientific Journal / Impact Factor 3.848* March 2023 / Volume 4 Issue 3