

EXPERIENCE

- GreenEye LTD, Chief Technology Officer

October, 2024 - Present

ML-driven platform for bullying detection at schools

Astana, Kazakhstan

- From ML Foundation to CTO: Built AI systems for real-time detection of bullying, cheating, and intrusions; after proving research traction and delivering early results, was promoted to CTO to lead engineering and launch the product
  - As Head of AI/ML: Set up ML research workflows and built core CV systems (YOLO, keypoint interaction, face recognition) for event and action detection; validated feasibility through MVPs deployed in real school environments
  - As CTO (from December 2024):
    - Led a cross-functional engineering team of ~20 (ML, backend, frontend, mobile, UX/UI, DevOps)
    - Architected Kepler Vision platform for real-time processing, alerting, and analytics in educational institutions
    - Built the engineering organization from scratch; owned end-to-end hiring: sourcing, interviews, onboarding
    - Deployed system in pilot school in Astana; improved safety, reduced response time, and increased transparency for parents and staff
- INUI GAMING, Head of AI/ML

October, 2023 - October 2024

Gaming platform that prevents cheating in multiplayer games, total raise of \$17.8 million

Dubai, UAE

- Established company's ML/AI function, leading a team on innovative projects for the gaming industry:
    - Anticheat system for Counter Strike 2 and CS:GO (computer vision based solutions for WallHack cheats and sophisticated deep learning and mathematical algorithms for AimBot, Spinbot type of cheats)
    - Recommendation systems for content suggestions and gaming marketplace
    - Match-making and ranking system for normal and custom modes of team playing in Counter Strike
  - Scaled the team from 2 to 5 senior ML engineers, overseeing the entire hiring process
  - Managed cross-team communication and stakeholder collaboration to ensure alignment, optimizing project delivery
- Kazakh-British Technical University, Senior Lecturer

January, 2023 - June, 2023

Almaty, Kazakhstan

- Designed and taught Electronics & Digital Design course for second year undergraduates

EDUCATION

- Mohamed bin Zayed University of Artificial Intelligence

August, 2024 - Present

Global top 20 across ML, CV, NLP (CSRankings), world's first AI university

Abu-Dhabi, UAE

PhD in Machine Learning

- Relevant coursework: Advanced Continuous Optimization · Parallel and Distributed ML · Advanced Topics in Causality & ML
  - Member of BioMedIA and Causality research groups (research interests: causal representation learning for neuroscience and medicine)
  - CRA-WP 2025 workshop attendee & presenter (Denver, USA)
  - Representative of ML cohort of PhD students
- University of Manchester

August, 2021 - August, 2023

Ranked 34th in the world and 6th in the UK (QSRankings)

Manchester, UK

MPhil. in Mathematical Sciences

- Engineering and Physical Sciences Research Council (EPSRC) scholarship holder
  - Teaching Assistant: taught Calculus (1<sup>st</sup> year undergrads), Introduction to Python (2<sup>nd</sup> year), Statistical Inference (3<sup>rd</sup> year)
- Nazarbayev University

August, 2021 - June, 2023

Top-1 research university in Kazakhstan

Astana, Kazakhstan

MSc. in Electrical and Computer Engineering

- Research assistant at ASP-LAB: machine learning algorithms for brain-computer interface systems, resulting in 5 academic papers
- Kazakh-British Technical University

August, 2015 - June, 2019

ABET accredited university

Almaty, Kazakhstan

BEng. in Automation and Control

COMMUNITY SERVICE

- Co-founder of DSML.KZ - community of Data Science and Machine Learning of Kazakhstan

- Founder of IT Jobs KZ job board for IT specialists (6000+ subscribers)
  - Admin of community's news channel (3000+ subscribers) and AI/MoLdin Jobs ML job board (8500+ subscribers)
  - Organizing events, mentoring community members

PUBLICATIONS

- Subject-independent P300 speller classification using double input CNN with feature concatenation, DSP 2023
- Event-related spectrogram representation of EEG for CNN-based P300 speller, APSIPA ASC 2021
- Ensemble learning approach for subject-independent P300 speller, EMBC 2021
- Ensemble Voting-Based Multichannel EEG Classification in a Subject-Independent P300 Speller, Applied Sciences 2021
- Comparison of Generic and Subject-Specific Training for Features Classification in P300 Speller, APSIPA ASC 2020

AWARDS

- Associate Fellow of the Higher Education Academy (AFHEA), awarded in March, 2023
- CodeJam to I/O for Women coding competition winner (February, 2019)

SKILLS

- Proficiency in: numerical methods, deep learning, signal processing, causality, Python (pytorch, ML/DL, statistical frameworks)
- Languages: English (professional, IELTS: 8.0), Russian (first language), Kazakh (second language)