



YERGALI BERDIBAYEV

Date of birth: 30th January 1987
Citizen: The Republic of Kazakhstan

Address: KAIST Apartment 102-309,
Gungdong, Yuseong-gu, Daejeon,
South Korea, 34137
vergali@kaist.ac.kr ergali.kz@gmail.com
+82 10 4672 1987

AI/ML ENGINEER

Education

- ✓ **2018-current**, PhD Information & Telecommunication Technology Program (ITTP), Korea Advanced Institute of Science and Technology (KAIST), South Korea.
- ✓ **2011-12** - MSc Information Technology, The University of Nottingham, UK, **GPA 3.0/4.0**.
- ✓ **2004-08** - BSc Software Engineering, Kazakh National Technical University, KZ, **GPA 3.85/4.0**

Certificates

- **16.10.2020** - Coursera (**Professional Specialization**): [IBM AI Engineering](#) by IBM (6-courses):
 1. [Machine Learning with Python](#) (100%);
 2. [Scalable Machine Learning on Big Data using Apache Spark](#) (100%);
 3. [Introduction to Deep Learning & Neural Networks with Keras](#) (100%);
 4. [Deep Neural Networks with PyTorch](#) (100%);
 5. [Building Deep Learning Models with TensorFlow](#) (100%);
 6. [AI Capstone Project with Deep Learning](#) (100%).
- **03.02.2020** - Coursera (**Specialization**): [Fintech: Foundations & Applications of FinTech](#) (4-courses):
 1. [FinTech: Foundations, Payments, and Regulations](#) (100%);
 2. [Cryptocurrency and Blockchain: An Introduction to Digital Currencies](#) (100%);
 3. [Lending, Crowdfunding, and Modern Investing](#) (100%);
 4. [Application of AI, InsurTech, and Real Estate Technology](#) (100%).
- **10.05.2019** - Coursera (**Professional Certificates**): [DeepLearning.AI TensorFlow Developer](#) (4-courses):
 1. [Introduction to TensorFlow for AI, ML, & Deep Learning](#) (100%);
 2. [Convolutional Neural Networks in TensorFlow](#) (100%);
 3. [Natural Language Processing in TensorFlow](#) (100%);
 4. [Sequences, Time Series and Prediction](#) (100%).
- **18.10.2017** - Stepik (**Certificates**): [Programming Languages](#) (2-courses):
 1. [Programming in C++](#) (100%);
 2. [Programming in Python](#) (100%).
- **04.06.2010** - Cisco **Networking Academy** (Certificate of Course Completion - offline):
 1. [IT Essentials: PC Hardware and Software](#)
 2. [Cover letter](#) by **John T. Chambers** - Chairman and Chief Executive Officer.



Professional Profile

I've gained experience in **IT field** by working in different areas: *Government, Education, Sales, Internet, Marketing and Medicine*. My total work experience is **8 years**, among them:

- Web development/content-management - 2.5 years;
- Research/Teaching experience - 2 years;
- Head of IT department/state-management - 1.5 years;
- ICT Engineer/system administrator - 1 year;
- Data analytics - 1 year.

Professional Experience

- **01/2017 - 02/2018**, as **IT Engineer** at Republican State Enterprise "Information and Production Center" of the Ministry of Internal Affairs of Kazakhstan.

Responsibilities:

 - Maintenance and development of information systems.
 - Uninterrupted operation of servers, computers, systems, equipment, electronic doors.
 - Development new information system on MS SharePoint.
- **11/2015 - 01/2017**, as **ICT/Robotics Teacher** at Nazarbayev (Presidential) Intellectual School.

Responsibilities:

 - Teaching subjects: Computer Science, Programming, Algorithm, Logics and Robotics;
 - Lead groups/cups: ACM Programming in Pascal/C ++ and Olympiads;
 - Developing games on the platform GameMaker.
- **06/2014 - 11/2015**, as **Head of IT department** at presidential sanatorium "Almaty Resort".

Responsibilities:

 - Controlling uninterrupted works of all computers and servers, information systems, telephones/fax, TVs, surveillance Cameras in Organization;
 - Develop and support corporate web-site;

Professional Experience	<ul style="list-style-type: none"> - All documents associated with IT in Organization; - Manage and realize innovation projects in Organization. <ul style="list-style-type: none"> ➤ 08/2013 – 07/2014, as <u>Content-manager</u> at JSC “Biomarket KZ” . <i>Responsibilities:</i> <ul style="list-style-type: none"> - SEO, SMM, Updating contents, Web-developer the site on WordPress; - Working with Client Database and weekly mailing by Emails and SMS. ➤ 01/2013 – 07/2013, as <u>Data analyst</u> at KazNet department of JSC “Kazcontent” . <i>Responsibilities:</i> <ul style="list-style-type: none"> - Monitoring Internet data of KazNET; - Analysis of an optimal system for collection of statistical data; - Recommendations for further improvement of governmental sites; - Writing the explanatory notes, technical specifications and design of web-sites. ➤ 11/2008 – 07/2009, as <u>IT Expert</u> at the Ministry of Cultural Affairs and Information of KZ. <i>Responsibilities:</i> <ul style="list-style-type: none"> - Business correspondence on main activities of the Ministry in IT; - Blog management of the Minister; - Participation in implementation of ICT, - Design and content management on web-sites: “E-Government” www.e.gov.kz and www.mki.gov.kz ➤ 04/2007 – 06/2008, as <u>Web-developer</u> at Kazakh National University named by Al-Farabi. <i>Responsibilities:</i> <ul style="list-style-type: none"> - Participate in web-development, administration and updating contents on site. 				
Research Experience	<ul style="list-style-type: none"> ➤ As <u>Research Assistant (RA)</u> at KAIST: Nov, 2019 – Kazakhstan’s data research under Professor Hyun Ju Jung. May, 2019 – Kazakhstan Country Specialist under Professor Mun Kee Choi. <i>Responsibilities:</i> <ul style="list-style-type: none"> - Prepare a country report - Kazakhstan; - Collect and analyze country data; - Proposals and recommendations for business solutions to countries; - Organization of business trips and meetings between Korea and Kazakhstan. ➤ As <u>Teaching Assistant (TA)</u> at KAIST: 2019-2020 – (ITP810) Special Topics in Global IT (Engineering) <R&DB Strategy for Smart Technology> under Professor Jong Heung Park (ETRI). Fall, 2018 – (ITP810) Special Topics in Global IT (Engineering) <Key Technologies for 4th Industrial Revolution> under Professor Jong Heung Park (ETRI). <i>Responsibilities:</i> <ul style="list-style-type: none"> - Uploading lecture materials, assignments, checking the list of students, homeworks, preparing a workplace for a lecture (desktop, pointer, projector, zoom etc.), extracurricular lectures (industrial trips) etc 				
Languages	<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">Kazakh – native speaker</td> <td style="width: 25%;">Russian – fluent</td> <td style="width: 25%;">English – advanced</td> <td style="width: 25%;">Korean – elementary</td> </tr> </table>	Kazakh – native speaker	Russian – fluent	English – advanced	Korean – elementary
Kazakh – native speaker	Russian – fluent	English – advanced	Korean – elementary		
Technical Skills	<ul style="list-style-type: none"> ✓ Programming languages/OOP: C++, R and Python; ✓ Web-languages: HTML, PHP, CSS, JavaScript and WordPress; ✓ Mobile device programming: Java Android (Master’s Dissertation); ✓ Database: Oracle 9 (Bachelor Diplomas’ project), Visual FoxPro, MySQL and SQL; ✓ Robotic platforms: EV3 Lego and Arduino; ✓ Game software: XNA Game Studio, Game Maker; ✓ Optimizations and Modeling: Excel solver, Simplex Method, Tora System, LP Solve IDE 5.5; ✓ Project Management: Microsoft Project, Gantt chart and PERT/CPM; ✓ Object Oriented Systems: Analysis, Design and Modeling (UML); ✓ Machine Learning: Keras, PyTorch, TensorFlow, CNN, NLP, RNN, DNN, and AI. 				
Achievements	<ul style="list-style-type: none"> • The holder of the Presidential Scholarship “Bolashak”, Astana, KZ, 2010; • Participant of a student program “Work & Travel USA 2008”; • 1st place, “The best specialty” Interscholastic Competition in ICT, Shymkent, KZ, 2003; • 3rd place, “IT GEEKS” Olympiad of Information and Network Technologies, KZ, 2010; 				
Sport	<ul style="list-style-type: none"> • 1st Dan – Black belt Taekwondo, Daejeon, South Korea, 2019; • 1st Dan - Black belt Aikido (Shodokan), Sheffield, UK, 2012; • Gold & Silver medals in “Aikido Open” Tournament, London, UK, 2012; • Silver & Bronze medals in Student Nationals Aikido Competition, Nottingham, UK, 2012. 				
Hobbies	Studying online courses, solving logical problems, ML, DL, AI, ACM programming, Chess, Table-tennis.				