BAYAR Gombosuren

MUST School of Information and Communication Technology
Senior Lecturer of Cyber security
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SUMMARY:

Passionate and hardworking senior lecturer with 18 years of experience. Demonstrated expertise in developing effective teaching methodologies, delivering engaging speeches, and organizing impactful events. Skilled at fostering collaboration between lecturers and senior lecturers, and adept at creating organized and compelling lectures or classes. Fluent in both English and Russian, with proficiency in speaking and writing in both languages.

SELF-SKILLS AND EXPERIENCE:

- Maintaining and assembling PCs
- Programming Pascal, C, C++, Python and Assembler, .NET
- Programming Mobile IOS and Android gaming developer, database
- Have work experience in autodesk 3DS max, MS Programs, Adobe application programs; circuit designing and simulation applications (Protel, Orcad, Matlab-Simulink); database (MSAccess,Visual Basic)
- Have experience in internet programming DW, Flash, PHP, Java

RESEARCH PROFICIENCY:

- Malware analysis deep learning (Dynamic and Static)
- Computer network system
- Software Vulnerability Detection
- Image processing

EDUCATION BACKGROUND :

- MUST School of Information and Communication Technology /Master's degree 2004-2006/
- Khan-Uul Institute /Bachelor's degree 1994-1999/
- Secondary Education School #11 Ulaanbaatar Mongolia /Secondary Education 1991-1994/
- Secondary Education School #21 Ulaanbaatar Mongolia /Primary Education 1984-1991/

WORK EXPERIENCE :

- Khan-Uul Institute /1999-2005/ Lecturer
- MUST School of Information and Communication Technology /2005-Present /
  - Senior Lecturer (2012-Present)
    - Improved the quality of the program and gave recommendations to the main and assistant lecturers.
    - During the academic year, I conduct lectures, preparatory tests, and laboratories for groups ranging from 40 to 90 students, all aimed at maintaining a high level of quality in education.
  - All lecturers tught :

- Computer graphics
- Data structures I and II
- Computer network
- Computer driving licence (excell)
- Introductuion of cryptography
- Programming Language C
- Professional Introduction (Information Network Security)
- Discrete structure
- Introduction of cybernetics
- Object oriented technology for java
- Visual programming C#
- Database system
- Introduction of Algorithm
- Network operating system
- Digital Forensics

PUBLICATIONS AND PAPERS:

- Test score system, Electronic draught board ICT EXPO Ulaanbaatar Mongolia 2017, 2018, 2019, 2020, 2021
- "Malware detection using entropy and deep learning methods on the example of .EXE files", G. Bayar, B. Munkhbayar, InfoNet&Sec-2020 International Security Council 2020
- "Answer sheet recognition processing system", G. Bayar, G. Zorigt, ICT in EDU 2014, presentation at the International EDU, 2014
- "Processing test answer sheet recognition", G. Bayar, G. Zorigt, presentation at MUST 2014
- "Image processing and some output", ICT-2014, South Korea, May 10-11, 2014
- Heated network management and control program, Ulaanbaatar Heat Networks, 2014
- Genealogy and Genealogy Mapping Software, 2013
- Test score software, implemented at the Kangaroo Mathematics Test Center, Teacher's University, MUST, School of Materials Technology, 2013
- Physics laboratory program of secondary school, SHUTIS, 2013
- Copyright 5137/2013 Genealogy and SunFamily tree
- Test onoo program copyright, 5446/2013
- Guide for herders, 10 published pages, 10000 pcs, 2013
- "Making a genealogical map using the genealogy coding method", G. Bayar, Our role in the development of information and communication, his report and article were published in the journal, 2011
- "Writing an E-Genealogy using coding method and describing the genealogy tree", G. Bayar, G. Zorigt, S. Dolgorsuren, presentation at ICKI-2011 International ERC, 2011
- "Electronic journal", secondary educational student information system, Digital Content, 2011
- Instant news transmission module on the Internet, "Montsame" agency, 2008

ATTENDED COURSES FOR PROFESSIONAL DEVELOPMENT:

1. 3D Animation Course of 2 months in Chandigar India, 2012
2. Mobile programming trainer course, 1 month, Must-Korea Dankug University "Mobile ICT education center" Ulaanbaatar, 2013
3. Mobile ICT Education Professional programming IOS Database, 2013
4. "Capacity Building Project of School of Information and Communication Technology at Mongolian University of Science and Technology in Mongolia" in Korea. Training, 2022
5. Cyber Security Training in India, 2022
6. Computer forensics" training 2023 at the training center of the ICT within the framework of the JICA project in Mongolia

MONGOLIA COPYRIGHT CERTIFICATE:

1. "Smart wastebin", No. 14812, 2023
2. "Robot racing v002 competition judging program", №14631,2023
3. "DraughtsMon v1.0 Software" No. 11396, 2019.12.23
4. "Electron Optical Gateway" No. 6833, September 20, 2014
5. "Electronic power meter" No. 6857, 20.09.2014
6. "Electronic data recorder" No. 6859, September 20, 2014
7. "Electronic pressure gauge" No. 6585, 20.09.2014
8. "Physics Electronic Laboratory System" No. 6860, September 20, 2014
9. "Mobile game model TAX_V2" #11147, November 22, 2019
10. "Round Race Judging Program", No. 11148, November 1, 2019
11. "Internal examination scores", No. 5446, September 4, 2013
12. "Keeping a genealogical record, creating a genealogical map in the shape of the sun" No. 5137, 28.03.2013

MONGOLIA TRADEMARK CERTIFICATE:
1. "Globe LE" No. 14726 November 3, 2015
2. "World GlobeWWH" №14727 November 3, 2015
3. "Globe of the Earth" №14725 03.11.2015
4. "World GlobeSFL" №14724 03.11.2015