Orgil Jargalsaikhan

Profile

Date of birth:	08 March 1987
Nationality:	Mongolian
Place of birth:	Ulaanbaatar, Mongolia
Marital status:	Married

Bayangol 8th khoroo 14-53, Ulaanbaatar, Mongolia, 16092

+976 94030872 orgilsict@must.edu.mn

Education

Doctor course, Graduate School of Advanced Technology and Science— Tokushima University, Japan	2018 — 2022
Master of Science, Information Technology— Mongolian University of Science and Technology, Mongolia	2009 — 2011
Bachelor of Science, Information Technology — Mongolian University of Science and Technology, Mongolia	2005 — 2009
High school - "Erdmiin Undraa" 54th school BU200529605	2003 — 2005
Elementary school - "Erdmiin Undraa" 54th school №200348031	1995 — 2003

Project Experience

Implementation project of Cellular switching laboratory (Project manager) — Skytel LLC, School of Information and Communication Technology (SICT), Mongolia	Jun. 2009 — Sep. 2009
Research of Triple play to develop in Mongolia (software and hardware engineer) — Moncable LLC, Mongolia	May. 2010 — Sep. 2010
Mongolia ICTPA OFC Project (Project engineer) – ZTE Corporation, Comtech-Solution LLC, Mongolia	Jun. 2011 — Mar. 2012
"Fox Hunting" (coordinator) — Mongolian Radio Sport Federation, SICT, Mongolia	Jun. 2010 — Jun. 2016
Project of Green House Monitoring and Automation system (Project administrator and Technical engineer) — Devshil Trade LLC, Racom LLC, Mongolia	Mar. 2015 — Jun. 2016
Project of Green House Automation System (Project administrator) — Mongolian Ministry of education, School of Information and Communication Technology (SICT), Mongolia	Jun. 2016 — Sep. 2016

Work Experience

Laboratory assistant— School of Information and Communication Technology, Mongolia ● Team coordinator of the Fox Hunting team for the Mongolian competition ● Team member of the Telecommunication department of SICT	Mar. 2009 — Jun. 2011

● Teaching laboratory of SDH and Switching	
Telecommunication department assistant Lecturer	Jun. 2011 — Jun. 2013
● Team coordinator of the Fox Hunting team for the Mongolian competition	
● Team member of the Telecommunication department of SICT	
● Teaching Lecture of SDH and Switching	
Telecommunication laboratory Lecturer	Jun. 2011 — 2018
● Team coordinator of the Fox Hunting team for the Mongolian competition	
● Team member of the Communication department of SICT	
● Teaching Digital Signal Processing	
● Teaching Signal and Systems	
Computer Science Department Lecturer	Nov. 2022 until now
● Machine learning	
● Introduction Algorithm	
● Embedded systems and Operation Systems	
● Image Processing	
● Multiagent systems	
● Deep learning	
Internship — Moncable LLC, Mongolia	May. 2010 — Sep. 2010
● Technical engineer	
Internship — Comtech-Solution LLC, Mongolia	Jun. 2011 — Mar. 2012
● Technical engineer	

Publications

- Orgil. J, "Battery charger using to Human speech power", 10/4/2013,34, In *Proceedings of MUSTAK 2013, pp.34*, (Oct.2013). Presented

- Buyankhishig, Z., Tserenlkham.B., and Orgil.J. "Comparative study on high order optical modulation formats", In *Strategic Technology (IFOST), 2013 8th International Forum on, vol. 2, pp. 168-171. IEEE*, 2013. Published

- Orgil. J, Solongo.Ts, Erdenesaikhan.Ts "Math formula", In the *journal, Graduation Android basic course, pp. 70, IEEE*, 2013. Published

- Orgil.J, "The human fingerprint identification by using MatLab" In *Proceedings of Research Conference on "Current and Future Trend of ICT", Defence University of Mongolia, pp. 75-79,* (May. 2013). Presented

- Orgil. J, "SICT Lecturer and Workers face recognition using neural network" In *Proceedings of Research Conference on ICT, Mongolian University of Technology,* (April. 2018). Presented

- Jargalsaikhan Orgil, Stephen Karungaru, "Facial emotion recognition accuracy improvement using deep learning", ACEAT, Dec 2019, Page 88-93, Kyoto, Japan. Presented.

- Jargalsaikhan Orgil, Stephen Karungaru, Kenji Terada, and Ganbold Shagdar, "Multimodal Emotion Recognition Using Non-Inertial Loss Function", Journal of Signal Processing, Vol.25, Page 73-85, March 2021, Published.

- Jargalsaikhan Orgil, Stephen Karungaru, Kenji Terada, "Continual learning: Linear layer classifier concatenation using image processing transform functions", QCAV2021, June 2021. Presented.

Awards

Team awards		Personal awards	
Fox Hunting Mongolia		Gold medal from junior Championship Mongolia	2010
Bronze medal from Notional Championship	2010		

Silver medal from Notional Championship	2011	Silver medal from Notional Championship	2011
Bronze medal from Notional Championship	2012		
Gold medal from Ulaanbaatar Championship	2015		
Fox Hunting International		**Minor Master of Radiosport**, Mongolian Radio Sport Federation Mongolia	2013
Bronze medal from International Championship	2014		
		Best Junior Lecturer, School of Information and Communication Technology, Mongolia	2014
		Best International Paper, Tokushima University, Japan	2022

Skills

Problem solving, System design, Communication, and Critical thinking

Hardware engineering skills

Microcontroller programming, Analog and Digital Circuit Simulation and Design, Soldering, Testing

Programming languages

C/C++, Python, MATLAB, OpenCV

Language skills

Mongolian (Native), English (B2-Upper-intermediate), German (B2-certificate of Hartnackshule, Berlin), ITP TOEFL 560

Extracurricular Activities

Traveling, reading, hiking, jogging