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Yesun-Erdene Jargalsaikhan

Senior Mobile Application developer

yesunerdene.github.io
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PORTFOLIO – a visual complement to my CV here

Proactive Software Engineer and MSc Computer Science Candidate with 5+ years of proficient experience in full-lifecycle mobile application development and publication. My expertise spans software engineering, machine learning, and deep learning. During my master's studies, I gained hands-on experience training, evaluating, and optimizing language and vision models, building a strong foundation in ML workflows. I have a proven track record, having developed and published dozens of widely used mobile applications both nationally and internationally. I am seeking roles where I can leverage my software development skills and learn more in integrating machine learning models with applications.

EDUCATION

MSc in Computer Science candidate , <i>University of Trento, Italy</i>	09/2021 - present
BEng in Software Engineering , <i>National University of Mongolia</i> GPA (3.5/4.0)	09/2016 - 06/2020

EXPERIENCE

Research Fellow <i>Datascientia research group UniTN</i>	02/2024 — 09/2025 <i>Italy</i>
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- Development, deployment and maintenance of [UKC](#) (Opensource Multi linguistic and lexical database) and sub LKC websites
- Maintenance of metadata catalogues of language and ontology datasets
- Mobile application development for the newer version of the app
 - [iLogg](#) - Data collection mobile app for smart citizen research project

Senior Software Engineer <i>Octagon LLC (Full time)</i>	01/2021 — 08/2023 <i>Mongolia</i>
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- Mobile application development and publishing, and maintenance
 - [YESH.MN](#) - Test-based learning for high school students preparing for the university general entrance examination.
 - [Octagon Wallet](#) - Mobile application for Octagon Ecosystem - a crypto exchange market, NFT marketplace, and digital wallet.
 - [Walk and Earn](#) - Mobile application for the statistics on the walking of the national citizens.

Software Engineer <i>And Global / Digital Mall LLC (Full time)</i>	09/2019 — 01/2021 <i>Mongolia</i>
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- Mobile and web application development and publishing, and maintenance
 - Banana Mall app, [bananamall.mn](#) - E-commerce platform for selling and delivering products online
- Core back-end of the e-commerce platform
- Development admin management panel of the e-commerce back-office
- Database support engineering

Senior Software Developer <i>Alpha Labs LLC (Remote)</i>	07/2020 — 09/2025 <i>Mongolia</i>
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- Mobile application development and publishing, and maintenance
 - [100 ail market](#) - E-commerce mobile platform designed to digitize and consolidate Mongolia's building materials trade
 - [BSB.mn](#) - E-commerce mobile application for online shopping and delivery service of BSB group
 - [Taiki](#) - Mobile application dedicated to citizens of Kazakhstan for purchasing products from China.
 - [SUVD Online](#) - E-commerce mobile application that imports and resells product from South Korea
 - [G-Power Monitoring](#) - For the clients of a power supply company for monitoring and surveillance of power consumption
 - [ISU Mongolia](#) - Mobile portal application for ISU staff and parents to manage school-related activities.

MACHINE LEARNING PROJECTS

Analysing archer's body posture with Motion Capture System to detect incorrect posture

- Analysed the body posture of an archer using MoCap to capture key postural parameters detecting incorrect posture

Test Time Prompt Tuning with MEMO

- Re-implemented MEMO (Marginal Entropy Minimization with One test point) to improve the performance of the pre-trained model on image classification task at a test time.

Interpreting Sign Language Letters

- With my team built a system that recognizes six Sign Language alphabet gestures (sensors, electronics and programming)

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SKILLS

Software engineering	React NativeJS, ReactJS, Git, Firebase, PHP Framworks, NodeJS, Angular, Docker, MySQL,
Machine Learning	Deep Learning, Pytorch, Applied NLP, Computer Vision, Data engineering and visualization
Communication	English C1, Italian A2

ACTIVITIES

Dev-Summit 2023 (from Developers to Developers, Speaker, Topic: Mobile App Development , Mongolia

05/2023