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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

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

## EXPERIENCE

<b>Research Fellow</b> <i>Datascientia research group UniTN</i>	<b>02/2024 — 09/2025</b> <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

<b>Senior Software Engineer</b> <i>Octagon LLC (Full time)</i>	<b>01/2021 — 08/2023</b> <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.

<b>Software Engineer</b> <i>And Global / Digital Mall LLC (Full time)</i>	<b>09/2019 — 01/2021</b> <i>Mongolia</i>
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- Mobile application development and publishing, and maintenance
  - [Banana Mall](#) - An e-commerce platform for selling and delivering products online
- Core back-end, API and web application development and maintenance
  - [Banana Mall](#) web application and its management admin panel
- Database support engineering

<b>Senior Software Developer</b> <i>Alpha Labs LLC (Remote)</i>	<b>07/2020 — 09/2025</b> <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

## 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

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

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## ACTIVITIES

Dev-Summit 2023, Speaker: Mobile App Development , Mongolia

05/2023