ITGEL BATTSENGEL

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EDUCATION

Stanford University — B.S. Electrical Engineering & Computer Science — Class of 2030

VENTURES

VISI — Founder — Jun 2026 – Present

- Left my CTO role at Suriy.mn to found VISI; currently in stealth.

MonBus — Co-founder & CEO — 2026

Acquired by UBCard for $30K · 1st Place, Startup Mongolia 2026 — *Ulaanbaatar, Mongolia*

- Led an AI transit app that plans bus routes in Mongolian and predicts trip times from weekly traffic-jam data, built for elders and non-English speakers; grew to **50,000+ users** and **#1 Travel app on the App Store and Google Play**.
- Partnered with Tapatrip to unify Ulaanbaatar's scooters in one live map of availability, battery and condition.
- Won **1st Place at Startup Mongolia 2026** ($6,000, reinvested into API costs to scale); sold the company to **UBCard** (government-led) for **$30,000** in Aug 2026.

Suriy.mn — Founding Team, CTO — 2025 – Jun 2026

- Built an LLM-powered exam-prep platform for Mongolian students: **10K active users**, **100K-user peak** in national exam season, **Top-10 Education** on the App Store and Google Play.
- Built the PyTorch + Hugging Face fine-tuning pipeline with MLflow tracking, BLEU/exact-match evals and versioning.

EXPERIENCE

Egune AI — AI Evals Engineering Intern — Aug 2026 – Present

- Build eval harnesses for LLM and agentic systems; design golden datasets (**500+ cases**) and failure taxonomies to validate accuracy, groundedness, robustness and safety.

RESEARCH & TECHNICAL PROJECTS

Machine Learning via Light — Research, National University of Mongolia (Dr. Munkhbayar, Physics) — 2025 – 2026

ISEF 2026 Finalist · ICYS 2025 Finalist · 1st Place, Mongolia Conference of Young Scientists (200+ papers)

- Researched machine learning with optical/photonic systems; with a teammate, became **Mongolia's first ISEF finalists** and first ICYS qualifier.

RoyLee & Tugu — Mongolian Voice LLM + Agentic Hardware · *1st Place, SciCon 2026* — 2026

- Trained a natural-Mongolian LLM: 15K-token Cyrillic BPE extension, continued pre-training (LoRA r=128, 5–10% English replay), SFT on 20K+ pairs, DPO for native phrasing, 4-bit GGUF/AWQ.
- Built a real-time voice device (Raspberry Pi, touchscreen, mic, speaker) on open-source Chimege STT/TTS, with streaming sentence-chunked TTS to hide LLM latency.
- Built Tugu, its agentic extension: grammar-constrained JSON tool calls over MQTT drive LEDs and servos via an asyncio Pi daemon, with telemetry fed back to the LLM.

Quantum Transmitter — Laser Free-Space Optical Audio Link · *1st Place, National Science Fair 2025* — 2025

- Streamed music over a laser: dual ESP32s encode each note as a distinct pulse pattern; an Arduino decodes it to audio.

HONORS

ISEF 2026 Finalist · ICYS 2025 Finalist · APhO National Selection Finalist · Gold, National Physics & Engineering Olympiad (2025) · Silver, City Physics Olympiad (2023) · 1st Place, National Science Fair (2024, 2025) · 1st Place, SciCon (2025, 2026); Honorable Mention (2023) · 1st Place, Startup Mongolia (2026)

LEADERSHIP & OUTREACH

- **DuDu Science Museum**, Coordinator (2023–25): co-organized national space-science outreach reaching **8,000+ students at 500+ schools in all 21 provinces**; led the Space Week Mongolia 2024 documentary team.
- **Science at Home** (Гэртээ Туршъя), Intern (2021–25): built the YouTube channel (100+ videos, 20K+ views); helped open the ISEF pathway for Mongolia.
- **Absolute School of English**, English Teacher (Nov 2025–Present): teach ESL to underprivileged students.

SKILLS

ML & LLMs	PyTorch · Hugging Face Transformers/TRL/PEFT (LoRA, QLoRA) · bitsandbytes · DPO · BPE tokenizers · GGUF/AWQ · MLflow · evals
Systems & Hardware	Python · C++ · Raspberry Pi · ESP32 · Arduino · MQTT · gRPC · WebSockets · asyncio
Languages	Mongolian (native) · English (native)