BEXULTAN KARIMTAYEV

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EDUCATION

CITY UNIVERSITY OF HONG KONG — Hong Kong SAR
BSc Computer Science, AI, Computing & Transformation (ACT) Flagship Programme — Expected Jun 2029

- **CGPA 4.11/4.30**; **Dean's List** (Semesters A & B, 2025/26); inaugural ACT cohort, **1 of 6** students
- **CityUHK Top Scholarship** for International Students (HKD 210,000)

NAZARBAYEV INTELLECTUAL SCHOOL — Astana, Kazakhstan
High School Diploma: A in Mathematics, Computer Science and Physics; GPA 4.98/5.00* — May 2025

EXPERIENCE

PIVOT BIOMEDICAL ENGINEERING — Hong Kong SAR
Software & AI Engineer Intern — Aug 2026 – Oct 2026

- Built a **PyTorch** model (dilated CNN + BiGRU) that finds systolic and diastolic points in blood-pressure audio
- Cut onset detection error **4×** by cleaning noisy labels; shipped a fully in-browser **ONNX** demo

PURANDS — Singapore
Software Engineer — Jun 2026 – Aug 2026

- Built an **AI email studio** that turns a client's **Shopify** store into a brand design system and email templates
- Designed a **multi-agent LLM pipeline** (OpenAI, Anthropic, Gemini) with a TypeScript backend and React editor

PLAYBOX — Remote
Software Engineer, Playable Ads (2D/3D) — Sep 2025 – Jun 2026

- Engineered **2D/3D HTML5 web games** with PixiJS, Three.js and Cocos as single-file builds for ad networks
- Built an animated website and an **AI 3D asset pipeline** (Meshy AI, Ludo AI); reached **Senior Creator** level

CITY UNIVERSITY OF HONG KONG — Hong Kong SAR
Teaching Assistant, CS1302 Introduction to Programming — Jan 2026 – May 2026

- Guided students through live quizzes with **targeted hints** instead of answers, building independent debugging

YOMICALL — Astana, Kazakhstan
Software Engineer — May 2025 – Sep 2025

- Built **ML services** for an AI call-analytics platform (OpenAI scoring, FastAPI retrieval, Qdrant search)

PROJECTS & RESEARCH

SMART PARKING ANPR | *Lead developer, team of 3 · Python, FastAPI, React, ONNX* — Jun 2026 – Oct 2026

- Built end-to-end **license plate recognition** for parking barriers: Hikvision cameras, YOLOv9, FastAPI, React
- Fine-tuned a Kazakh plate **OCR model to 99.6% exact match** (baseline 68.5%) at 1.2 ms per plate on CPU

PROJECT MAIEUTIC | *CityUHK agentic computing education initiative* — Jun 2026 – Sep 2026

- Published **traceback-coach** and **hermes-acp-sdk** on PyPI: open-source tools for Python learning and AI agents
- Presented at CityUHK Info Day 2026; featured as case studies in an **IEEE TALE 2026** paper (submitted)

PETAL PIXEL | *React, Three.js, Go, gRPC, Supabase, Solidity* — Mar 2026 – Jun 2026

- Full-stack **Web3** app: procedural 3D flowers minted as **ERC-721 NFTs** via a Go gRPC backend

LEADERSHIP

CITY UNIVERSITY OF HONG KONG, *Flagship Programme Ambassador* — Sep 2025 – Present

- Initiated outreach visits to international schools; represented CityUHK at tours and conferences

KAZAKH SOCIETY, CITYUHK, *Secretary* — Sep 2025 – Present

- Run cultural and orientation events for a community of **200+ Kazakh students**, under CityUHK GAC and SDS

SKILLS & ADDITIONAL

Technical: Python, TypeScript, Go, C++, SQL · PyTorch · React, Node.js, FastAPI, Django · PostgreSQL, Supabase
AI & Games: LLM agents (OpenAI, Anthropic, Gemini), MCP, RAG · PixiJS, Three.js, Cocos Creator, Blender
Awards: Samsung Solve for Tomorrow 2024, Kazakhstan: **top 5 of 670 teams** nationwide · **400+** LeetCode problems
Languages: Kazakh, Russian (native) · English (**IELTS 8.0**) · Mandarin (HSK 2)