

ASSANALI BATYRKHAN

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Hong Kong SAR

EDUCATION

• City University of Hong Kong

Bachelor of Science in Data Science

09/24 - 06/28

Kowloon Tong, Hong Kong

◦ **Cumulative GPA: 3.88/4.3**

◦ **Relevant Coursework:** Computer Programming(Python, C++) (A+), Data Structures (A-), Linear Algebra(A+), Calculus I,II(A), Calculus III,IV(A-), Probability&Statistics (A), Data Visualization (A), Introduction to Data Science,

EXPERIENCE

• Career Hackers | Lantern AI [🌐]

AI Software Engineer Intern

06/25 - present

Hong Kong, China

◦ Developed an end-to-end AI CV Screening feature, leveraging **Amazon Textract, OCR, prompting**, hence reducing the workload for manual CV Screening by **10x times**

◦ Optimized the conversational AI agent's interview postprocessing by developing **5 asynchronous AWS Lambda** scripts, reducing upload latency by **99%** and system workload by **3x times**

◦ Built a semantic natural language talent pool search using **OpenAI embeddings + Qdrant cosine similarity**, achieving **P95 search latency of 1000ms** and **97%+ query success rate for 10000+ entries**

• City University of Hong Kong

Research Assistant under Dr. Alvin Chung Man LEUNG

08/25 - 12/25

Hong Kong, China

◦ Developed a **Python** script that utilizes **Gemini API** to break down **100+** financial transcripts of 10+ different formats into a **csv-writable** format, cutting the manual analysis time by **90%**

◦ Created a subscription workaround **Python** script for **Gemini API**, using dynamic API Key switching when the free tokens exceed, reducing data preprocessing costs by **100%**

• ActiviKid Limited [🌐]

Software Engineer Intern

01/25 - 04/25

Hong Kong, China

◦ Engineered a localized **React.js** web app using **react-i18next** to support English/Cantonese, improving accessibility for **100%** of Hong Kong users

◦ Architected a zero-downtime deployment pipeline on a linux VM using **NGINX, Let's Encrypt certbot, and Bash scripting**, achieving **99.9%** uptime and reducing manual deployment time by **5 times**

PROJECTS

• AI Video Clipper: Turn YouTube videos into viral short-form videos

Tools: Python, Rust, FastAPI, Redis, PostgreSQL, YOLO, Claude, Remotion, Docker

03/2026

◦ Implemented **YOLO26** face detection with **3-state tracking** to follow the active speaker and auto-zoom in **9:16** clips.

◦ Rebuilt reframing/render paths in **Rust** and orchestrated **12 Docker services**, reducing end-to-end processing time by **20%** with native async workers.

◦ Orchestrated a **2-stage Claude agent** planner with **Claude skills** to generate 5 clips/job through **Remotion**

• Space&Time Dashboard & Blockchain data pipeline (ranked #2/107 in the Hackathon)

Tools: Python, pandas, OpenAI API, Google Docs API, Firebase API, Docker

11/2024



◦ Built an async pipeline for **1,000+** Space&Time records via concurrency, cutting retrieval latency **20%**.

◦ Generated **20+** weekly blockchain reports via **OpenAI API + Google Docs API** automation, removing manual analysis.

◦ Deployed a containerized **Docker Compose** stack, achieving **99.9%** uptime and **60%** faster deployments.

AWARDS & ACTIVITIES

• **CityU Full Scholarship Recipient** which covers 100% annual tuition fees

• **Dean's List** for outstanding academic results in **every** semester in the university

• **CityU Tiger student TOP 10%** out of 2000+ students in the College of Computing

SKILLS

• **Programming Languages:** Python, JavaScript, SQL, C++, TypeScript, HTML/CSS

• **Technologies & Tools:** Express.js, FastAPI, Django REST Framework(DRF), Next.js, React.js, Git, Docker

• **Data Science & Machine Learning tools:** pandas, numpy, scipy, seaborn, matplotlib, sklearn

• **Languages:** English(Fluent), Russian (Fluent), Kazakh(Native)