

Ayazhan Kadessova

Kowloon, Hong Kong • (+7) 777-850-2000 • kadessovaayazhan@gmail.com
[linkedin.com/in/ayazhankad/](https://www.linkedin.com/in/ayazhankad/) | leetcode.com/kadessovaayazhan/ | github.com/ayazhankadessova

Education

Hong Kong Baptist University

BSc (Hons) in Business Computing and Data Analytics, cGPA: 3.94/4.0, top 1% of class

Kowloon, Hong Kong

09/2021 – Expected 2025

Relevant Courses: Python and Its Applications; Statistics, Probability, Calculus for CS; Applied Linear Algebra for Computing; Problem Solving Using Object Oriented Approach in Java; Causal Inference with R; Data Structures and Algorithms; Database Management; Unveil the Numbers Before You Invest; Financial Management; Basic Economic Principles.

Awards: Finalist of Quest for Securities & Investment Elites (QSIE) Case Analysis Competition 2022 and Techathon 2023 by HKSTP, 3rd team place in AUHack Hackathon by Aarhus University.

Department of Computer Science Special Award 2022 and 2023: Recognized among 404 students two years in a row for academic excellence based on GPA, significant university service based on peer mentoring, and contribution to Research on Machine Learning models for regulating discussions in digital spaces.

Belt and Road Scholarship: Four-year full-tuition scholarship awarded for academic excellence and community contribution of creating safe spaces for youth by HKSAR Government to top 35 international students.

Experience

JPMorgan Chase & Co.

Incoming Summer Software Engineering Intern

Central, Hong Kong

Expected 06/2023

- Accepted to Summer 2023 Software Engineer Program after “Code for Good” Hackathon. Created anonymous reporting app and visualized a database with a dashboard that reflects the employer’s treatment of workers based on users’ audio/text input processed via speech-to-text, semantic, sentiment analyses.

Bloomberg L.P.

GBA Fintech Talent Initiative Fellow

Central, Hong Kong

02/2023 – 03/2023

- Utilized the skills and knowledge gained from the training in using and navigating Bloomberg Terminal and collaborated with team members to generate potential investment ideas for the Data Analytics team.

Super Cat Technology Limited

Natural Language Processing Engineer

Kowloon, Hong Kong

06/2022 – 09/2022

Automated Machine Learning (Python, PyCaret, MongoDB, Fastapi, Streamlit)

- Developed AutoML's Classification part, which finds the most accurate ML models for input data based on user-defined criteria and classifies the target data. Used by the companies for customers' churn prediction.
- Boosted T5-based Table QA accuracy from 60% to 88% by filtering columns through semantic search and checking their relevancy.

Multi-label text classification (Python, PyTorch, transformers)

- Upgraded text classification model from binary (positive/negative) to multi-label (1-5). Integrated a new model in the company Performance Analysis pipeline for optimal customer feedback insight and customer service software for prioritizing queries.

Alphalex Capital Management

IT Investment Intern

Central, Hong Kong

03/2022 – 05/2022

- Created NFT Collection (ERC-721A) on Cadence/Solidity from Node.js-generated art to compare user-friendliness of wallets associated with FLOW vs Ethereum blockchains. As a result of my function/cost/user-friendliness testing, FLOW was chosen. [Shareable Projects](#)

Hong Kong Baptist University Department of Computer Science

Peer Mentor

Kowloon, Hong Kong

08/2022 – Present

Helped 6 freshmen students with no Computer Science background understand 1st level Computer Science concepts, debug and optimize code, and assisted with project development through individual and group sessions and weekly office hours with other tutors. Speaker at 2 hand-on workshops.

Research Programmer at “IoMT-based Location Analytics System for Smart AED Operations @TSWH” project

10/2022 – Present

Database Management, building front-end to display sensor information, generating system optimization ideas for project managed by Professor Joseph Ng.

Qwasar Silicon Valley Tech Talents Training

Data Science Program Mentor

California, US

10/2021 – 04/2022

- Organized one-hour live coding sessions with 30 students every other week to debug and optimize codes for tasks including Web scraping, Data cleaning, analysis, visualization. 80% of students graduated with 16 completed Data Science Projects.

Projects

FAFA, cargo transportation business model (Python)

- Scraped data from cargo transportation in Kazakhstan & CIS website using Beautiful Soup, did exploratory data analysis to suggest 3 best business models (route, truck type, products needed) for the highest profit. Blogpost about the project: [here](#).

LEarnBU, web-based financial literacy game

- Created a web-based financial literacy game with different storylines for each character to help HKBU students learn personal financing. Engaged 50 players and based on pre-game and post-game scores, helped 82% acquire knowledge in investing, retirement planning, credit.

Programming Skills

Programming languages: Python (proficient), Java/PHP/SQL (intermediate), C++(prior experience), JavaScript/HTML/CSS(intermediate).

Methods: Data Analysis (R, Python), NLP (BERT, PyTorch, PyCaret), DS pipeline (web scrape, clean, analyze, visualize), Predicting (sklearn).

Technologies: Cloud Computing (AWS Azure), Bloomberg Terminal, Git, Shell, Linux, Virtual Machines.