

# Ayazhan Kadessova

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## Education

### Hong Kong Baptist University

BSc (Hons) in Business Computing and Data Analytics, cGPA: 3.91/4.0, top 1% of class

Kowloon, Hong Kong

09/2021 – Present

**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; Investment Management; Cybersecurity and Data Privacy.

**Awards:** Finalist of Quest for Securities & Investment Elites (QSIE) Case Analysis Competition 2022 and Techathon 2023 by HKSTP, 3<sup>rd</sup> 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

### Goldman Sachs

Women's Trader Academy

Central, Hong Kong

05/2023

- Acquired practical knowledge in trading fundamentals and honed competencies through simulations in foreign exchange and equities.

### 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 in the EV sector.

### 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 – 05/2023

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 "IoT-based Location Analytics System for Smart AED Operations @TSWH" project

10/2022 – 05/2023

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

## Projects

### LEarnBU, web-based financial literacy game (HTML, CSS, Javascript, Financial Management)

- 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.

### FAFA, cargo transportation business model (Python, Data Science) – Pet Project

- 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.

### TripGenie, Trip Generator with OpenAI (API, HTML, CSS, Javascript) – Pet Project

- Using OpenAI API, TripGenie generates trip itineraries, destination ideas, and AI-generated images based on user preferences in a seconds.

## Programming Skills

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

**Methods:** Web Development, NLP (BERT, PyTorch, PyCaret), Data Science/Analysis (web scrape, clean, analyze, visualize), Predicting (sklearn).

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