

# Arman Zhumakhan

Student at City University of Hong Kong

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## LinkedIn

[linkedin.com/in/arman-  
zhumakhan/](https://linkedin.com/in/arman-zhumakhan/)

## Portfolio

[arman-zhumakhan.github.io/](https://arman-zhumakhan.github.io/)

## Skills

Python, C, C++, CUDA, SQL,  
Machine Learning, PyTorch,  
Data Visualization, Tableau,  
Linux

## Relevant Coursework

Python for Data Science,  
Data Structures,  
Database Systems,  
Computer Vision and Image  
Processing,  
Convex Optimization,  
Data Visualization

## Extras

(Certificates/Activities)

**Hong Kong Fintech Week  
Hackathon 2019**, Oct. 2019

**Udemy**, Python for Data Science  
and Machine Learning Bootcamp

**Coursera**, Machine Learning by  
Stanford University

**Coursera**, Deep Learning  
Specialization by deeplearning.ai

## Objective

An inspired life-long learner with data science skills and a solid science background. Seeking to leverage Data Science knowledge and organizational skills to increase data efficiency for organizations and to offer innovative solutions.

## Education

**City University of Hong Kong**, Hong Kong *2019 - present*  
Bachelor of Science in Data Science, minor in Business Economics  
GPA – 3.95 / 4.3

**Nazarbayev Intellectual School of Chemistry and  
Biology in Aktau**, Kazakhstan *2015 - 2019*  
NIS 12 Grade Certificate  
Mathematics – A\*, Physics – A\*, Computer Science – A\*

## Work Experience

**Summer Intern** *July 2020 – August 2020*  
**Hong Kong Applied Science and Technology Research Institute  
(ASTRI)**

Involved in the development of ASTRI Blockchain Intelligence Platform, which is a decentralized AI Computing Platform. Wrote algorithms in CUDA for GPU.

**Data Scientist**, internship *Feb. 2020 – June 2020*  
**Koinbros**, a cryptocurrency trading firm in Hong Kong  
Analyzed opportunities in cryptocurrency markets and worked on the improvement of existing trading strategies. Created an automated backtesting system for trading in Python, in which all stages of the project, data collection, testing, visualizing results, and sending were automated. Created machine learning models to predict bitcoin price. Worked with Linux, API, MySQL, Web Scraping.

**Research Assistant** (remotely) *March 2020 – December 2020*  
**Information Systems Department, City University of Hong Kong**  
Collected data through Web Scraping, worked with PostgreSQL and analyzed to find insights for research in Python, created data visualizations. Made social network analysis using *networkx* in Python.

## Academic Achievements

Silver medal in Republican Physics Olympiad: 2017, 2018

1<sup>st</sup> place in regional World Robot Olympiad: 2017, 2018

Stanford Pre-Collegiate International Institutes (Stanford, USA): 2016

SAT Subject Tests: Mathematics Level 2 – 800/800, Physics – 800/800