Arman Zhumakhan

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EDUCATION

City University of Hong Kong **Hong Kong**
B.S. in Data Science, minor in Business Economics *2019 – 2023*

- GPA 3.98/4.3, Dean's List in all semesters
- CityU Scholarship (for outstanding academic performance and contribution)
- Relevant Coursework: Statistical Inference, Convex Optimization, Data Visualization, Data Structures, Database Systems, Python for Data Science, Computer Vision, Microeconomics, Int. to Finance

EXPERIENCE

Summer Analyst Hong Kong
Enhanced Investment Products, asset management company *June 2021 – Present*

- Built an internal dashboard using Python
- Analyzed Chinese market and market-neutral strategies that exploit market inefficiencies

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

- Worked in the team of Artificial Intelligence and Big Data Analytics
- Involved in the development of ASTRI Blockchain Intelligence Platform, which is a decentralized AI Computing Platform.
- Wrote parallel algorithms for GPU in CUDA.

Data Scientist, internship Hong Kong
Koinbros, a cryptocurrency trading firm *Feb. 2020 – June 2020*

- Analyzed opportunities in cryptocurrency markets and was responsible for data visualizations.
- Created machine learning models to predict bitcoin price and worked on the improvement of existing trading strategies.
- Built an internal automated backtesting system in Python that was daily and efficiently run. All stages of the project - including data collection from databases and API, web scraping, backtesting, writing reports, visualizing results - were automated.

Research Assistant (remotely)
City University of Hong Kong *March 2020 – Dec 2020*

- Collected data through Web Scraping, migrated data to PostgreSQL, and analyzed data to find insights for research.
- Made social network analysis with over 5 million users, using *networkx* in Python.
- Did geo analytics to research change of land and land reclamation over time from 1992 to 2020.

SKILLS

Programming Languages: Python, SQL, C, C++, CUDA, HTML, CSS
Technologies and Libraries: Flask, Linux, Git, Machine learning, PyTorch, TensorFlow, OpenCV, APIs, Tableau, Data Visualization (matplotlib, plotly, seaborn, etc.)

PROJECTS AND LEADERSHIP

Teaching Assistant *Jan. 2021 – May 2021*
Smart City - a Systems Engineering Perspective (CityU)

- Taught Microbit, a microcontroller board, and App Inventor, an app development environment for Android, and MakerCloud, AIoT platform
- Worked with other 7 TAs and helped 50+ students

Hong Kong Fintech Week Hackathon *October 2019*

- Built a Telegram bot that answers questions of bank clients, using NLP techniques, Tensorflow