

TSANG Tsz Hin, Jason

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EDUCATION

The Chinese University of Hong Kong, Hong Kong

BSSc in Data Science and Policy Studies

Master's List (2022, 2023), Dean's List (2023)

Sept 2021 – July 2025

Major GPA: 3.73/4.0

Technical University of Munich, Germany

Semester Exchange, Politics & Technology

Reaching Out Award (2024), Scholarship for Semester Exchange (2024)

Apr 2024 – Aug 2024

Relevant Coursework

- Technical Courses: Intro to Blockchain, ML for Public Policy, ML Methods in Economy, Games and Strategic Thinking
- Social Science Courses: Research Methods, Design Thinking, Policy Science, Global Sustainability, Psychology
- Online Courses: Mathematics for Machine Learning and Data Science Specialization (Coursera), Game Theory (Stanford), IBM Machine Learning Specialization (IBM)

WORK EXPERIENCE

Climind

Research Assistant

Sept 2022 – Sept 2023

- Conducted webscraping of climate change reports from various sources
- Worked on Natural Language Processing (NLP) projects, specifically focused on building a Retrieval Augmented Generation (RAG) system

The Chinese University of Hong Kong, Hong Kong

Research Assistant (Part-Time)

Sept 2022 – Sept 2023

- Conducted in-depth analysis of the emigration trend in Hong Kong using both quantitative and qualitative research methods
- Performed web scraping and data mining on social media platforms such as Twitter and Instagram using Python

Laboratory for AI-Powered Financial Technologies Limited, Hong Kong

Data Science Summer Intern

June 2023 – Aug 2023

- Assisted team members in supporting data cleaning and pre-processing of financial data, ensured data accuracy and reliability for analysis and modeling purposes
- Participated in multiple data scraping projects actively and organized the scraped data into SQL databases
- Developed robust systems, such as Bitcoin Whale Alert and Exchange NetFlow, to perform on-chain data analysis
- Managed and maintained the Bitcoin database to gain insight into the crypto market; deployed machine learning models like KNN and Decision Tree to identify trading patterns among market players

GreenSafety Technology Limited, Hong Kong

STEM Intern

Nov 2022 – Feb 2023

- Analyzed driving safety and energy consumption patterns for various vehicle types, including KMB buses, taxis, and construction trucks
- Led data validation efforts and dealt with a large vehicle video database to identify dangerous driving behavior; contributed to the development of innovative solutions for enhancing transportation safety

Centrum Stosunków Międzynarodowych, Warsaw Poland

Research Intern

Aug 2022 – Sept 2022

- Worked remotely with researchers and prepared weekly reports on international relations research
- Conducted extensive research on artificial intelligence and 5G technology, and analyzed its potential implications for technological cooperation among various countries

NEOMA, Hong Kong

Summer Intern (AI, IoT, app)

June 2022 – Aug 2022

- Configured and tested over 300 data touchpoints and sensors for major projects, including the FIFA World Cup Qatar 2022, The Executive Centre, and Capella Hotel Group

- Collaborated with cross-functional teams to ensure seamless integration of data touchpoints and sensors with AI and IoT systems, enabling real-time data collection and analysis
- Conducted quality assurance and created detailed reports to ensure the accuracy and reliability of systems

Research

- Fine-Tuning Pre-Trained Transformers for Climate Claim Verification
- Machine Learning Approaches for Bitcoin Address Classification: A Comprehensive Review and Dataset
- Artificial Intelligence in Plant Pathology: A Prototype Application for Plant Diseases Identification Using Convolution Neural Networks

PROJECTS & COMPETITIONS

- AI Challenge Ideation 2024
- Application of Foundational Language Models to Climate Change
- Open Data Hackathon 2022
- College Student Public Administration Data Analysis Contest 2021
- National Youth Future Engineer Exhibition and Competition 2019 - 3rd Runner-up
- The First Future Engineer Grand Challenge 2019 - 1st Runner-up

TECHNICAL STRENGTHS & SKILLS

Technical Skills: Advanced in R, SQL, Linux, HTML/CSS; Proficient in Python

Languages: Fluent in English, Cantonese, Chinese