

HARRY CHANG

(+65) 84285869 | harrychang.work@gmail.com | harrychang@u.nus.edu
[linkedin.com/in/harrychangjr](https://www.linkedin.com/in/harrychangjr) | github.com/harrychangjr

EDUCATION

BSc (Data Science and Analytics)
National University of Singapore
Aug 2020 - May 2024

SKILLS

R • Python • SQL • Java • Stata
Tableau • Power BI • Gephi • MATLAB
Google Analytics • Google Data Studio
Canva • Figma • Domo • BigQuery
GCP • AWS • Git • Docker • Retool

COURSEWORK

Machine Learning
Data Science in Practice
Statistical Learning
Regression Analysis
Data Visualization
Data Structures and Algorithms
Database Technology and Management
Mathematical Statistics
Multivariable Calculus
Probability
Linear Algebra
Convex Optimisation
Optimisation for Large-Scale Data-Driven Inference

COMPETITIONS

NUS LifeHack 2022 - Theme Best/
Overall 1st Runner-Up
NUS Fintech Month Hackathon 2021 -
1st Runner-Up
SMU Legal-In-Tech Hackathon 2021
NUS Economics Case Competition 2021
Shopee Product and Design Challenge
2021
Singapore Business Case Competition
2020

ACTIVITIES

Track and Field Captain (Science), NUS
Inter-Faculty Games (2022)
Marketing Director, NUS Statistics and
Data Science Society (2021-22)
Deputy Head of Finance, Google
Developer Student Clubs NUS (2021-22)

EXPERIENCE

Product Data Analyst Intern Jun 2023 - Dec 2023
Sephora

- Built, documented and hosted SQL queries and processes to enable reproducible and effective pipelines, analysis and dashboards using BigQuery
- Utilised Domo to create dataflows and visualizations that provide quick insights into product health and performance of e-commerce features (web and mobile)
- Implemented A/B testing to measure potency of new e-commerce features before reporting results

Marketing Intern Apr 2023 - Jun 2023
Quest

- Launched marketing ad campaigns using Google Ads to target businesses to visit company's landing page
- Drafted content articles on Wordpress for search engine optimisation (SEO)
- Performed weekly reporting of user acquisition metrics from various marketing channels, including Tiktok and Instagram

Actuarial Intern May 2022 - Aug 2022
SCOR

- Performed actuarial analysis of reinsurance treaties in various APAC markets, including entry of client portfolio and loss data into xAct (treaty pricing system)
- Regularly updated and analysed risk profiles and claims databases for insurance markets in Pakistan, Thailand and Vietnam
- Trained machine learning models (logistic regression, random forest) to predict insurance claims, with an average accuracy of 80% for each model

Data Analytics Intern Feb 2022 - May 2022
Quest

- Conducted cohort analysis to optimise user acquisition and retention rates
- Collected, analysed and interpreted trends within user data to improve company's growth and marketing strategies
- Built visualizations and dashboards using RStudio and Tableau to report monthly key metrics of company's mobile application

Data Migration Intern Oct 2020 - Jan 2021
Immigration@SG LLP

- Cleaned over 30,000 records using Pandas to facilitate smooth data migration into new CRM system
- Derived customer segmentation models using regression models and market basket analysis (association rule mining) to improve company's marketing strategies
- Completed time series analysis using past sales data to forecast future monthly revenue