

Kahang Ngau

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Experienced Data Analyst, with technical-related work experience in both FinTech and Healthcare Industry. Seeking to utilize my 3+ years' experience of data analysis skills on using Python, SQL, Tableau, and R.

EDUCATION

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| George Washington University | May 2022 |
| <i>MASTER OF SCIENCE (M.S.) in Data Analytics, with a concentration in Computer Science</i> | |
| Rutgers University, New Brunswick, NJ | May 2018 |
| <i>BACHELOR OF ARTS (B.A.) in Information Technology and Economics</i> | |
| <ul style="list-style-type: none">• <i>IBM Data Science Professional Certificate, Certificate of Financial Economics</i>• Dean's List: Dec 2016, May - Dec 2017, Bloomberg Market Concept Certificate• <i>Data Structure, Object-Oriented Programming, Database Tech, Big Data & Forecasting</i> | |

SKILLS & TECHNOLOGIES

Technical Skills: Python, SQL, Spark, R, SAS, Tableau, Microsoft VBA, ArcGIS, PHP, HTML.
Languages: Fluent in English, Chinese, and Cantonese. Intermediate Japanese.

RECENT WORK EXPERIENCE

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| <i>Financial Data Analyst: Bloomberg L.P., Princeton, NJ, USA</i> | Apr 2019 – Aug 2020 |
| <ul style="list-style-type: none">• Conducted analytical research and machine learning techniques on predicting granular levels of companies' financial reports and brokers' forecasting models. Provided overall technological workflow suggestions and quality-controlled on final figures that polished on client-facing Estimate Analysis Model.• Implemented code enhancements to project workflow by formalizing Python and Spark code. Monitored data to entail safeguarding against drift in model performance to ensure work efficiency and accuracy. | |
| <i>Data Reporting Analyst: Amedisys Inc., Burlington, NJ, USA</i> | Jun 2018 – Apr 2019 |
| <ul style="list-style-type: none">• Perform business data analysis on internal operations data by using Microsoft SQL Server, Python and SAS.• Develop dashboard visualizations and BI metrics reports to support the healthcare decision making process. | |

ON-CAMPUS WORK EXPERIENCE

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| <i>Digital Map Developer / Research Analyst: George Washington University</i> | Oct 2020 – Present |
| <ul style="list-style-type: none">• Created interactive maps on ArcGIS with documented locations of China studies' archival and digital collections in the US and Canada. Performed geocoding with the verified addresses of existing collections.• Designed and implemented different useful features for the online mapping tools. Enabled researchers to find and engage with the collections by searching on the navigation bar and pop-up windows on the map. | |

PROJECTS

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| Applied Data Science Capstone Project | Feb 2020 |
| <ul style="list-style-type: none">• Compiled data wrangling and created data frames in Spark, which contain info of neighborhoods, boroughs and their respective longitude and latitudes for each financial center in New York and Toronto. Conducted data streaming and drifts finding for the existing dataset before doing machine learning models. And finally, operated KNeighborsClassifier model to train-and-test data to predict to category of certain given inputs. | |
| Database Design in SQL and PHP | Jan – May 2019 |
| <ul style="list-style-type: none">• Conducting project allows the front-end (was written in PHP/HTML) to use MySQL driver to interface with the back-end database (was written with MySQL). Designing the structure based on collecting receipts and splitting up into tables (customers, transactions, etc.), and linking tables together by using foreign constraints.• Database supports multiple functionalities such as adding, deleting and updating products, transactions, etc. | |
| Dashboard Design and Motion Char | May 2018 |
| <ul style="list-style-type: none">• Created individual dashboards with interactive maps, motion charts, and bar charts in Tableau after cleaning and structuring data. Data set contained 10 years of economics variables for populations of 50 countries. Variables included population, countries, average annual income, age access internet, education level, and percentage graduating with college degree. | |