CLARA CHUA

clarachua@gmail.com • +65 9833 0668 • Singaporean
linkedin.com/in/chuaclara • https://clarachua.netlify.app/ • https://github.com/clarachua

SUMMARY

*Hard-working, results-driven professional looking to move into Data Science / Analytics roles. **Adaptable and creative problem solver** with experience in face-paced **start-up environments**. Seeking to **leverage** my **technical skills, communication, and project management skills** to build scalable data products and solutions.*

KEY SKILLS

Proficient:	• Python, R	• Data Analytics	• Machine Learning, IoT
	• Tableau	• Project Management	• Facilitation & Consultative Skills
Intermediate:	• SQL	• R Shiny	• Azure / AWS Cloud
Developing:	• Google Apps Script	• Git	

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY - Singapore   **Jan 2018 - Apr 2021**
Master of IT in Business (Analytics)   **GPA: 3.88 | Dean's List**
Key Courses: Applied Machine Learning, NLP, Big Data, Geospatial Analysis, Visual Analytics, Social Analytics, IoT.

UNIVERSITY OF NOTTINGHAM – UK   **Sep 1996 - Jul 1999**
BSc. (Hons) Economics & Econometrics

PROJECTS

GEOSPATIAL ANALYSIS OF AIRBNB IN SINGAPORE   https://clarachua.netlify.app/project/capstone-project/

Explored spatial distribution of Airbnb offerings in Singapore and clustering effects. Developed hedonic pricing model using geographically weighted regression to explain factors affecting rental pricing of Airbnb properties.

SUPERVISED & UNSUPERVISED TEXT SUMMARISATION

Used ROUGE scores to explore the effectiveness of 3 models (Text Rank, RNN and an Encoder-Decoder) in generating summaries and headlines from news articles.

MARVEL CINEMATIC UNIVERSE (MCU) NETWORK ANALYSIS

Used network analysis to explore the importance and influence of MCU movie characters; developed model to predict new characters for new movies based on Marvel Comics using Node2Vec similarity and other similarity measures.

DAILY NEWS FOR STOCK MARKET PREDICTION

This project aimed to predict market index movement using text and financial data for a fixed time period, using Decision Trees, Random Forests, a CNN, and an RNN.

KEY DATA EXPERIENCE

CIRCLES.LIFE (LIBERTY WIRELESS PTE LTD) | People & Culture Analytics Lead   **Apr 2019 – Present**
- Ensured data integrity and governance, streamlined data integration through APIs and ETLs
- Designed and developed dashboards and reports on recruitment, manpower, performance and employee engagement
- Designed and developed process for automating performance management system using Google Apps Script

NTUC LEARNINGHUB PTE LTD | Principal Consultant | GM Institute of Business Excellence   **Sep 2013 – Aug 2018**
- Led analytics project to build an explanatory model between honorariums and revenue and to optimize trainer honorariums using regression modelling and k-means clustering.

ERNST & YOUNG | ASEAN Advisory L&D Leader | Manager, Performance Improvement   **Oct 2009 - Jul 2013**
MERCER HR CONSULTING | Consultant   **Sep 2001 – Nov 2004**

ADDITIONAL INFORMATION

- **Languages:** English (native), Mandarin (fluent), French (conversational)
- **Awards:** 3rd prize (JagaMe) at MIT HackMed Singapore, organized by IMDA and MIT (2015)