



Alexandra Khoo

I help connect the dots between business, data signals, and storytelling as a hybrid data professional

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 alexandrakhoo.com

EXPERIENCE

Human Managed, Cybersecurity Solutions Provider Lead Data Strategist (Data Visualization)

JAN 2021 - JUN 2021

Pioneered data visualization style guide and developed playbooks for data-driven storytelling

Developed new ways for users to experience data, from curating datasets to storyboarding and prototyping visualizations using D3.js, React, and Flourish

Synthesis, Brand Consultancy Cultural Data Scientist

FEB 2020 - JAN 2021

Combined open-source intelligence with network science and natural language processing to detect emergent preferences and social attitudes

Led data efforts in cross-functional teams, including end-to-end pipelines of ingesting and cleaning data into bespoke datasets, and designed charts

Maritime and Port Authority of Singapore

SEP 2013 - JAN 2020

Senior Manager, Policy & Strategy

Investigated maritime trends and trade statistics, through data projects and consultations with industry stakeholders, to inform organizational strategies

Served as speechwriter to the Chief Executive for keynote events, where the organisation's priorities are shared with industry guests and staff

Manager, International Relations

Co-represented Singapore in international negotiations on shipping's greenhouse gas emissions

Received **2016 Singapore National Excellent Service Award (Silver)** for excellent service while organising an international conference with International Maritime Organization, a UN agency, among other activities

SELECTED ENGAGEMENTS

Natural Language Processing with tweets to @AmazonHelp - Delivered a [talk at La Kopi@Google Developers Space](#) on using methods like Latent Dirichlet Allocation analysis and non-negative matrix factorization to uncover key themes in customers' discontent.

Humanizing Data: Career Switch into Data Science - Shared insights and personal lessons from my data science career journey as part of [Wanted Spotlight's Breaking Data talk series](#)

TOOLSTACK OVERVIEW

Programming & Software

Python (including pandas, spaCY, networkx), R, SQL, GCP/Big Query, Snowflake, Javascript, HTML/CSS

Version control

Git, Github, Gitlab

Data Visualisation & Design

D3.js, Figma, Gephi, Ggplot2, Inkscape (open-source alternative to Adobe Illustrator), Matplotlib, Tableau, Seaborn

LANGUAGES

Mandarin (mother tongue), German (A2)

EDUCATION

Metis Data Science Bootcamp

Oct - Dec 2019, Singapore

University of Chicago, MA

International Relations
2012-2013, USA

University of York, BA

(Honours) Politics with International Relations
First Class with Distinction
2009-2012, UK

2019 Dataquest Diversity Scholarship - Sponsorship for online data science learning

Maritime and Port Authority of Singapore Overseas Government Scholarship 2009 - Full sponsorship for undergraduate & graduate studies

INTERESTS

Data Visualization Society member and [writer](#) + Mentor with Google Women Developer Academy