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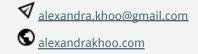
**I help connect the dots between business, data signals, and storytelling as a hybrid data professional**

✉ alexandra.khoo@gmail.com

🌐 alexandrakhoo.com

## EXPERIENCE

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

JAN 2021 - PRESENT

Develop new ways to reach and engage audiences with data-driven reports, from curating datasets to storyboarding and prototyping data visualizations

Spearhead data visualization design system and contribute towards building organizational data literacy

**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**
Senior Manager, Policy & Strategy

AUG 2017 - JAN 2020

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

SEP 2015 - AUG 2017

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