Alexandra Khoo

Data Science practitioner with a background in International Relations. I enjoy digging into data to uncover insights and stories

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🌐 The Data Curious (website)

SELECTED DATA PROJECTS

Wedding songs data viz for 2019 XDS Data Storytelling Challenge - Awarded a commendation for creativity and design. Used Spotify data to explore traits of popular wedding songs and visualized them as cupcakes.

Natural Language Processing with tweets to @AmazonHelp - Preprocessed customer support requests with SpaCY and performed Latent Dirichlet Allocation analysis, bi-term topic modeling, and non-negative matrix factorization. Uncovered core themes in users' expectations to serve as a guide for improving customer satisfaction.

EXPERIENCE

Maritime and Port Authority of Singapore
Senior Manager, Policy & Strategy

AUG 2017 - PRESENT

Delivered end-to-end data projects, including surveys/ interviews with industry stakeholders, on developments like regional competition to inform organizational strategy.

Led the research team and presented on global shipping trends in technology and other verticals for a management retreat

Served as speechwriter to the Chief Executive for keynote events, where the organisation's priorities and plans 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. Analysed and managed policies on marine environment issues.

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

She Loves Data
Blog Chief Editor

JAN 2019 - PRESENT

Oversee blog and newsletter campaigns and manage contributors. Initiated Real People in Data interview series to inspire learning and share leaders' and community-builders' career journeys.

SKILLS

Programming & Software
Python (including Scikit-learn, Pandas, Numpy), R, PostgreSQL, noSQL, MailChimp

Version control
Git and Github

Data Visualisation & Design
Seaborn, Ggplot2, Inkscape (open source alternative to Adobe Illustrator), Tableau

Languages
Mandarin Chinese (mother tongue), German (A2)

EDUCATION

Metis Data Science Bootcamp
OCT 2019 - PRESENT, 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

Bouldering - Defying gravity on walls
Data viz - I'm a Data Visualization Society member & writer (See Why We Find Joy and Value in Creating Data Viz published on Nightingale)