



# 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)