

# Jia Hui Chow

Singapore

- Email me on Indeed: <http://www.indeed.com/r/Jia-Hui-Chow/9b48bc3491bca6d3>

Hello! My name is Jia Hui, and I am an inquisitive individual. I am passionate when I put the entirety of my heart to the task at hand. I build models for Natural Language Processing tasks, and have experience rewriting these models in other languages for production. I have also done projects on networks analysis and MySQL.

## Work Experience

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### Data Scientist

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April 2018 to Present

- Curated data with Elasticsearch, trained and optimised Deep learning NER models in different languages. Rewrote model in Scala for production. Models slated for release to surface relevant content on millions of daily news articles.
- Increased F1 score of relation extraction model by 10% with more hand-engineered features. Model will be deployed on a risk intelligence product used by top financial and government organizations
- Contributor to an internal Scala library used for model deployment
- Built and integrated training pipeline to production code with modifications in Java and Python

### Volunteer Project Assistant

SUTD Lee Kuan Yew Centre for Innovative Cities

September 2014 to May 2017

- Synthesized a road map of technological development up to 2050 from official published sources
- Contributed ideas and insights to a report on the future of work, education and healthcare funded by the National Research Foundation
- Worked with team of four to distill a research article into an infographic, included in the report

### Applications Engineer

National Instruments Singapore (Pte) Ltd

October 2015 to March 2016

- Client-facing role handling technical sales and service requests, including sales support visits to public sector customers
- Lead trainer of LabVIEW training courses for industry engineers from wide variety of backgrounds

### Applications Engineering Intern

National Instruments Singapore (Pte) Ltd

May 2014 to August 2014

- Partnership with SUTD and NI Singapore to develop lesson demonstration in SUTD's Power Electronics syllabus

- Implementation of accompanying technical project showcased in SUTD Open House and presented to NI staff
- Programmed 8-bit music composer

### **Project Engineer**

Defence Science and Technology Agency

April 2016

- Worked as a team of 4 in a departmental-level design thinking exercise, collecting problem statements across all levels of staff to identify and improve process flows
- Assessed and implemented improvements in process and workflow of onsite system testing
- DSTA Learning Recognition Award for exemplary learning attitude

## Education

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### **Bachelor of Engineering in Electrical Engineering, Magna Cum Laude**

Singapore University of Technology and Design

August 2015

### **Asian Leadership Programme**

Zhejiang University

## Skills

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Project Management (2 years), Process Improvement (1 year), Python Programming (2 years), Deep Learning (1 year), Natural Language Processing (1 year), Machine Learning (1 year), Data Analytics (1 year), Scala (1 year), Java (Less than 1 year)

## Links

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<https://www.linkedin.com/in/chowjiahui/>

## Certifications/Licenses

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### **Statement of Accomplishment - SQL**

Present

Stanford Online Open Edx (taught by Stanford University faculty)

### **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**

Present

Deeplearning.ai by Andrew Ng, Coursera

### **Neural Networks and Deep Learning**

Present

Deeplearning.ai by Andrew Ng, Coursera

## **Structuring Machine Learning Projects**

Present

Deeplearning.ai by Andrew Ng, Coursera