

# HUANG JIRONG

## Data Analytics | Multi-Disciplinary

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jironghuang.github.io

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## EXPERIENCE

### Data scientist

#### Data Science Department, Singapore Tourism Board

June 2018 – Ongoing Singapore

- Developed forecasting, data validation applications and packages for use within the organization
- Gathered user requirements from internal stakeholders for analytics applications development
- Managing analytics project in collaboration with NUS School of Computing - including budget, contractual agreement, data governance, provision of software and hardware
- Automated ETL workflow for validation and compilation of national tourism statistics; saving 4 man days per quarters
- Collaborated with statisticians on national tourism statistics survey methodologies
- Developing a geospatial expenditure estimation model by merging a multitude of data sources
- Adopt scrum framework in project management and rapid prototyping

### Data Analyst / Research Associate

#### Korn Ferry Institute, Research and Analytics Arm of Korn Ferry

Feb 2017 – May 2018 Singapore

- Research scope spans multiple disciplines: Economics, Finance, Machine-Learning(applications), Index construction, Organizational Behavior and Psychology
- Developed IP that connects human and organizational capital to business outcomes. Simulated market portfolios based on researched constructs to demonstrate better shareholder returns and business performance
- Constructed a Digital Sustainability Index for KF's digital global marketing campaign
- Twitter sentiment analysis on trending thought leadership topics
- Initiated a project to link company's proprietary databases with external data sources (through crawling) like Twitter, Financial Indicators, Company Ratings, etc.

### Senior Research Analyst/Economist

#### Ministry of Manpower, Economics Unit

June 2013 – Jan 2017 Singapore

- Portfolio includes developing Singapore's labor force projections model, research in labor economics, policy impact evaluation, cost-benefit analysis, analytics etc.
- Accurately projected medium term employment growth and labour force participation rates within one-tenth of a standard deviation.
- Utilize analytics, machine learning, econometrics, and programming tools (R, Python, Stata, Eviews, VBA) in forecasting and research.
- In 1 of my projects, I analysed 4,000 unstructured documents (i.e. pdf, doc and scraping of web pages) using text analytics/information retrieval techniques such as Latent Semantic indexing, Latent Dirichlet allocation and clustering techniques; able to identify relevant concepts and produce key insights for senior management.

## PERSONAL BLOG

jironghuang.github.io

Through this blog, I share my thoughts on analytics, statistics, economics, programming, quantitative trading and investing topics.

## STRENGTHS

Analytical

Good Project Management skills

Curious, Dilligent & Always willing to learn

Multi-Disciplinary

## SKILL LEVELS

R Programming

QlikSense

VBA

Python Programming

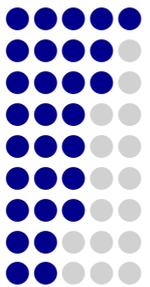
Stata

SQL

Data Visualization

C/ C++/ Java

Website Design



## EDUCATION

M.S. in Computer Science

Georgia Institute of Technology

Aug 2018 – Dec 2021

Graduate Dip. in Computer Science

University of Adelaide

April 2016 – Jan 2018

M.S. in Statistics

National University of Singapore

Aug 2014 – April 2016

B.S. in Economics & Finance

Singapore Management University

Aug 2009 – Apr 2013

CFA Level 1

Chartered Financial Analyst

2012

CMT Level 1

Chartered Market Technican

2011

# PUBLICATIONS

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## Articles

- J. Huang, S. Chowdhury and J. Ho (May 2018). "Candidate Compensation History Legislation: How organizations are preparing". In: *Korn Ferry Institute*.
- J. Huang, Z. W. Lee and J. Guo (May 2017). "Impact Of The Implementation Of Retirement And Re-Employment Act On Older Workers' Employment Outcomes". In: *MTI Singapore Insights*.
- J. Huang, S. Chowdhury and J. Ho (Dec 2017). "Getting more mileage from your people: improving discretionary energy boosts EBITDA and ROA". in: *Korn Ferry Institute*.
- J. Huang, S. Chowdhury and J. Ho (Apr 2018). "When your people go the extra mile: Companies high in discretionary energy perform better on the stock market". In: *Korn Ferry Institute*.

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## Conference Proceedings and Poster Presentations

- J. Huang, S. Chowdhury (Jun 2017). "Differences in managerial role preference and its impact on career progression: East versus West". In: *Poster session*. Singapore Conference on Applied Psychology.
- J. Huang, J. L. Chong (Feb 2017). "Healthcare Dynamics of An Ageing Singapore Population." In: *Poster session presented at Asia-Pacific Region System Dynamics Conference, Feb, 2017*. System Dynamics Society.
- J. Huang, S. Chowdhury and J. Ho (Aug 2018). "The Conditions for Discretionary Energy: Implications for Organizational Business Performance". In: *Conference Paper / Presentation*. Academy of Management.