# GU Zhan

## Lecturer & Consultant, Analytics & Intelligent Systems Practice

✉  issgz@nus.edu.sg

## Profile

GU Zhan (Sam) lectures Master of Technology programme in the areas of data science, machine intelligence, soft computing, and applied deep learning. Prior to joining ISS, he was in New Zealand running Kudos Data start-up, which focussed on training programs to democratize artificial intelligence and machine learning.  Before that, he was a data scientist in Yokogawa Engineering, leading industrial innovation initiatives.  Sam had also spent many years in financial sector wearing versatile hats: project manager, consultant, and business analyst in Barclays bank, system manager and senior software engineer at Citibank, leading to experience in actualizing information technology values in complex business environment.

He devotes himself into pedagogy, and is very passionate in inspiring next generation of artificial intelligence lovers and leaders.

## Educational Qualifications/Professional Certifications

- MTech, National University of Singapore, 2015
- Bachelor of Engineering, Shanghai University, China, 2004

## Academic and Professional Experience

- Lecturer & Consultant, Institute of Systems Science, National University of Singapore, Singapore, 2017 – present
- Founder, Kudos Data Pte. Ltd., New Zealand, 2016 – 2017
- Data Scientist, Yokogawa Engineering Asia, Singapore, 2015 – 2016

- Project Manager, Barclays, Singapore, 2010 – 2015
- Senior Software Engineer, Housing & Development Board, Singapore, 2008 – 2010
- Assistant System Manager, Citibank, Shanghai, China, 2004 – 2008

## Membership and Professional Activities

- Member, Project Management Institute (PMI)

## Research Interests

- Intelligence Science
- Evolutionary Computation

## Patent

- "Systems and Methods for Optimizing Control Systems for a Process Environment" 15SG0002

# What I Teach

**ANALYTICS AND INTELLIGENT SYSTEMS**

## NICF- Statistics Bootcamp

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## Zhan GU

Lecturer at Institute of Systems Science, National University of Singapore

Singapore

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Institute of Systems Science, National University of...

National University of Singapore

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As a lecturer and consultant in applied machine intelligence, Zhan GU (Sam) engages communities and schools to help organizations making sense of their data using advanced data science , machine learning and cloud computing technologies. Inspire next generation of artificial intelligence lovers and leaders.

Sam received his master degree from National University of Singapore. Previously, he was a lead data scientist at Yokogawa Singapore, project manager in Barclays, engineer in HDB and Citibank.

Sam is a long practitioner in banking & financial information technology industry. He is very accomplished in the field of modern data science and machine learning technologies, as well as in exploring data science values in complex business environment.

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Domains
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• Banking and Financial Services
• Data Science
• Machine Learning
• Intellectual Property Law

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## Experience

### Lecturer
Institute of Systems Science, National University of Singapore
Nov 2017 – Present · 1 yr 2 mos
Singapore

### Founder
Kudos Data - Data Science Consulting & Training
Nov 2016 – Oct 2017 · 1 yr
New Zealand

As a Kudos Data science consultant and trainer, Sam GU engages communities and schools to design and conduct specialized training programs to help organizations making sense of their data using advanced data science and deep machine learning technologies. Inspire the next generation of data science, machine learning and artificial intelligence lovers and leaders.

### Data Scientist
Yokogawa
Jan 2015 – Oct 2016 · 1 yr 10 mos
Singapore

Small & Big data science
Data strategy
Data platform/system evaluation (e.g. Python, R, Hadoop, Spark, IBM Watson, etc)
Advanced statistical and machine learning models... See more

### Project Manager / Business Analyst
Barclays
Sep 2010 – Jan 2015 · 4 yrs 5 mos
Singapore

Assistant Project Manager
Business Analyst
Software Engineer

### Senior Software Engineer
HDB
Sep 2008 – Sep 2010 · 2 yrs 1 mo
Singapore

### Assistant System Manager
Citi
Jan 2005 – Sep 2008 · 3 yrs 9 mos
Shanghai

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## Education     +

### National University of Singapore

### Shanghai University

### Requirements Analysis · 23

Endorsed by **Shriranga Kulkarni and 1 other who is highly skilled at this**

### Business Analysis · 22

Endorsed by **Shailesh Soni,PMP, who is highly skilled at this**

### Project Management · 16

**Raymond Behavioral Economics and 15 connections** have given endorsements for this skill

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Industry Knowledge

| | |
|---|---|
| **Big Data** · 15 | **Data Mining** · 13 |
| **Analysis** · 10 | **Software Development** · 7 |
| **Project Delivery** · 7 | **PMP** · 5 |
| **Cloud Computing** · 5 | **Vendor Management** · 4 |
| **Agile Methodologies** · 3 | **Machine Learning** · 2 |
| **ITIL** · 2 | **Business Analytics** · 2 |
| **Artificial Intelligence** · 1 | |

Tools & Technologies

| | |
|---|---|
| **SQL** · 15 | **R** · 6 |
| **Unix** · 6 | **Hadoop** · 6 |
| **Oracle** · 3 | **Microsoft Office** · 2 |
| **Java Enterprise Edition** · 2 | **Spring Framework** · 1 |
| **Python** · 1 | **Linux** |

Interpersonal Skills

**Management** · 2

Other Skills ⑦

| | |
|---|---|
| **Data Science** · 3 | **Deep Learning** · 1 |
| **Apache Spark** | |

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## Accomplishments                                          +

1   **Publication**
"Systems and Methods for Optimizing Control Systems for a Process Environment" 15SG0002

## Interests

**Watson Application Group - Using ...**
1,096 members

**The IBM Watson Group (AI, Cognit...**
19,795 members

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488,073 followers

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**Data science community**
17,517 members

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