

# Shuo-Jen, Chang

DIGITAL CONSULTANT & DATA SCIENTIST

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## Summary

As an Analyst at Accenture Japan, I specialize in digital transformation with a focus on data science and generative AI. I contribute as both a developer and consultant, delivering value through advanced solutions that enhance business processes and align technology with strategic objectives to drive sustainable growth.

Outside of professional role, my passion for data science has led me to achieve the title of Kaggle Competition Master. I actively participate in data science-related competitions, learning from top talents and tackling diverse challenges posed by businesses and institutions. These experiences have sharpened my skills in applying AI solutions across various industries and extracting valuable insights from vast datasets in numerous scenarios.

## Work Experience

### Accenture Japan Ltd

Tokyo, Japan

ANALYST

Nov. 2022 - Present

- Managed and maintained an Android application with over 2 million of users, including developing, incidents resolving, Leading and planning large-scale testing to ensure application robustness, designed test cases to evaluate new functionalities, and executed quarterly updates aligned with client requirements.
- Led an investigation for a major telecom firm on solving telecom fraud. Collecting and analyzing relevant information from industry reports and academic papers. Summarized key insights on various types of telecom fraud and provided a detailed analysis of the current state of fraud in the telecom industry.
- Developed an overview of AI techniques applicable to fraud detection and prevention, tailoring methodologies to each type of telecom fraud. Delivered recommendations on the data requirements to implement AI-based solutions, ensuring alignment with the firm's strategic objectives and operational capabilities.
- Structured the AI use case implementation roadmap for a financial institution, actively facilitated discussions and workshops to collect and identify over 500 AI use cases from different department by their business impact and feasibility.
- Collaborated with stakeholders to map out actionable steps, ensuring a focused approach to realizing AI-driven business workflows. Played a pivotal role in shaping the long-term strategic objectives for AI adoption, aligning them with the organization's goals.
- Built an AI-powered chatbot platform enabling client employees to securely upload and interact with internal data. Developed both backend and frontend components independently, leveraging Azure's AI services to enhance data retrieval and reduce manual effort.
- Enhanced chatbot performance and accuracy, designing tailored prompt templates, optimizing pre-processing strategies. Estimated to generate over 50 million yen in annual productivity gains by automating data-related tasks and aligning with client objectives.

### Taiwan (R.O.C) Army

Miaoli, Taiwan & Taichung, Taiwan

PRIVATE (COMPULSORY MILITARY SERVICE)

Dec. 2021 - Mar. 2022

- Successfully completed intensive training sessions, acquiring comprehensive instruction in shooting techniques, firearm maintenance and bayonet drills.
- Garnered small team management experience on combat readiness missions, coordinating and leading a team to ensure optimal preparedness and performance.

## Honors & Awards

### INTERNATIONAL

2022	<b>21st Place / 4875 teams</b>	American Express Default Prediction	American Express, Google(Kaggle)
2018	<b>21st Place / 1094 teams</b>	PLAsTiCC Astronomical Classification	LSST Project, Google(Kaggle)
2018	<b>2nd Place / 7198 teams</b>	Home Credit Default Risk	Home Credit Group, Google(Kaggle)
2018	<b>7th place / 1917 teams</b>	Avito Demand Prediction Challenge	Avito, Google(Kaggle)

### DOMESTIC

2020	<b>1st Place &amp; MVP</b>	P&G Japan IT Tech Challenge 2020	P&G Japan
2020	<b>1st Place / 110 teams</b>	Re: Real Estate Transaction Price Prediction	Probspace
2019	<b>1st place</b>	DeNA Data Science Competition for Students #1	DeNA Co., Ltd.
2019	<b>7th Place / 366 teams</b>	MyNavi x SIGNATE Student Cup 2019	Signate

## Skill

<b>Front-end</b>	React, HTML/CSS
<b>Back-end</b>	Django, Flask, Spring Boot
<b>Programming</b>	R, Python, JAVA, Kotlin, <del>ETX</del>
<b>Languages</b>	Chinese(Native), English(Native), Japanese(Advanced)

## Education

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### Tokyo Institute of Technology (東京工業大学)

M.S IN MATHEMATICAL AND COMPUTING SCIENCE

*Tokyo, Japan*

*Sep. 2019 - Sep. 2021*

### Soochow University

B.A. IN ECONOMICS

*Taipei, Taiwan*

*Sep. 2015 - Jun. 2019*

## Extracurricular Activity

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### Kaggle Competition Master

KAGGLE

*Since 2018.*

- Currently hold 2 gold medals, 5 silver medals and have consistently ranked in the top 3% in various Kaggle competitions.
- Have joined over 15+ competitions, topics included the unsolved problems in astrophysics, biology field, default prediction for banks, insurance claim prediction, and visitor/value/stock price/demand prediction.