

## Contact

jjunfan@gmail.com

www.linkedin.com/in/jjun-fan-tsai  
(LinkedIn)

jjunfantsai.com (Personal)

## Top Skills

Extract, Transform, Load (ETL)

Google Cloud Platform (GCP)

Python

## Languages

English (Professional Working)

Chinese (Native or Bilingual)

## Certifications

PMP

## Publications

Efficient discriminative local learning  
for object recognition

Road detection and classification  
in urban environments using  
conditional random field models

# Jjun-Fan Tsai

Artificial intelligence | Data Science | IoT

Taipei City, Taipei City, Taiwan

## Summary

Hello, I'm Jjun-Fan Tsai, a recognized data scientist with 15 years of experience in data collection, big data analysis, quantitative trading, and machine learning. My focus is on automation and AI, and I'm passionate about leveraging these technologies to improve business outcomes and solve complex problems. I stay up-to-date with the latest trends and innovations in data science and strive to deliver high-quality work to my clients.

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## Experience

### Dorgie

Co-Founder and CEO

March 2023 - Present (8 months)

Taipei

- IoT Based Human Detection Solution
- Question Answering Solution

### Timeline Capital

7 years 1 month

Consultant Data Scientist

February 2022 - Present (1 year 9 months)

Taipei City, Taiwan

- Built and maintained trading models with respect to stock data
- Improved execution speed of python strategies by implementing a interface connecting python to C++ engines

Senior Data Scientist

October 2016 - January 2022 (5 years 4 months)

Taipei City, Taiwan

- Analyzed market data of futures and equities and designed trading strategies
- Implemented and back tested trading strategies
- Developed a monitoring system for trading strategies

### Nogle Limited

## Senior Data Scientist

September 2015 - September 2016 (1 year 1 month)

Taipei City, Taiwan

- Analyzed market data of futures and designed trading strategies
- Implemented and back tested trading strategies

## Appier

Senior Data Analytics Engineer

September 2013 - September 2015 (2 years 1 month)

- Developed and maintained a cross-screen targeting system
- Built recommendation systems to optimize click-through rate for real-time bidding

## Systemx

Technical Manager

January 2011 - August 2013 (2 years 8 months)

Taiwan

- Gathered large amount of unstructured log data via VMware API
- Visualized VMware performance metrics using Splunk platform
- Personal performance review: received 100% in three consecutive quarters

## Institute of Information Science, Academia Sinica

Research Assistant

January 2007 - January 2011 (4 years 1 month)

- Improved both accuracy and speed of labs' face detection algorithms, and then handled technology transfer to two companies
- Implemented new object recognition algorithm, and helped the research result published in a top computer vision conference

## National Taiwan University

Research Assistant (Part-time)

September 2004 - September 2006 (2 years 1 month)

Worked on a vision-based driving assistance system.

- Developed a system for reconstructing high dynamic range video in night.
- Developed a system for recognizing traffic lanes and cars on roads.

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## Education

National Taiwan University

Master of Science, Computer Science and Information  
Engineering · (2004 - 2006)

National Taiwan University

Bachelor of Science in Engineering, Computer Science and Information  
Engineering · (2000 - 2004)