

# **Takuma Yoshioka**

Data scientist & Business planning manager

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- Resume PDF

### **EDUCATION**

#### M.S. in Chemistry

Tokyo Metropolitan University 2014 - 2016

Misasa International Student Intern Program
Institute for Planetary Materials, Okayama University
2014

#### LANGUAGES

Japanese (Native)

English (Professional)

### INTERESTS

Cooking

Photography

Science

## **CAREER PROFILE**

### Data scientist & New business development manager

- 6 years of data science and software development, including planning of new digital service.
- · Headed the establishment of the application development business in the company as a manager of the new team.
- Experienced in both mathematical optimization methods, through linear programming formulation and heuristic algorithm development, including project management.
- Led and coordinated with multicultural teams in English; worked with engineers in Southeast Asia.
- · Strong analytical and execution skills with leadership; excellent balance between business and technology with high flexibility.

# PROFESSIONAL EXPERIENCE

### Manager / New business planner / Tech lead

2019 - Present

TOYOTA TSUSHO SYSTEMS (THAILAND) Co., Ltd., Bangkok Thailand

- Launched a New business planning process in the company. Proposed for lack of new planning function and designed a new business development framework. Started next year as a new single team, expanding to a total of 4 members in 2 years (local members in Thailand).
- 2. Developed digitalization support business. Created a digitization support business applying No-code tools with a few software engineers. Discovered IT consultation service by communicating directly with end-users from a neutral standpoint. Completed more than 5 projects totaling over 5M THB. The business was highly regarded as a cornerstone of the application business throughout the company.

### Mathematical optimization engineer / consultant

2016 - 2019

KOZO KEIKAKU ENGINEERING Inc., Tokyo Japan

Worked as Project manager / Data Scientist / System Engineer / Educator

- Simulator development and data analysis for MaaS planning. Development of a discrete event simulator for preliminary
  verification of new mobility service planning (python/simpy). Analyzed and reported simulation results. As a project manager,
  managed progress, quality control, and client negotiation for each phase of the project, which was worth 40M JPY in 3 years.
- Automation of floor plan design in housing. Development of automated design algorithms using heuristic techniques (C#).
   Collaborated with a major Japanese construction company to explore new possibilities for applications of mathematical optimization technology. Horizontal deployment to other companies in the industry was also considered, resulting in a 2-year, 30M JPY project.

## **(E)** ADDITIONAL EXPERIENCE

### Project manager of AI function development

2021 - Present

Flare (Thailand) Co., Ltd., Bangkok Thailand

Algorithm development for detection of driving behavior events using smartphone sensor data. Lead technical direction in algorithm development. Collaborated with Vietnamese engineers on a fully remote and part-time basis.

### Mentoring in Data Science Schools

2021 - Present

Data Learning Inc., Tokyo Japan

Provided learning support and career assistance to 10+ students through online sessions. Participated as the first mentor and planned the standards of the service.



### Data Learning Guild 2020 - Preser

 $Contributed \ to \ an \ online \ community \ of \ Japanese \ data \ scientists. \ Promoting \ multiple \ projects \ improved \ various \ skills.$ 

- Network analysis of slack conversation data
- Knowledge graph development using SemanticMediaWiki
- Crowdfunding project planned to launch a service to solve their challenges in learning data science

Wagumi DAO 2022
Contributed to a Decentralized autonomous organization promoting web 3.0 projects from Japan. Revitalized and engaged in the

TMU-SFC 2010 - 2016

Designing and operating science experiment classes for children. Represented in 2021. Experienced in leadership and long-term organizational management ideas.

**■** CERTIFICATION

TOEIC Listening & Reading Score 805

management of the Discord community.

2019

Associate Professional Engineer (Industrial Engineering)

2017

Certified Applied Information Technology Engineer

2016

	SKILLS & PROFICIENCY  Python & Pandas/ Pulp/ Sklearn	_
	•	
	C#	
	Go	
	Data science & SQL	
	Operations research & Mathematical optimization	
	NoCode & Prototype development	