

Fang Yu Chang, Ph.D.

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SUMMARY OF QUALIFICATIONS

Highly skilled Data Analyst and Researcher with solid educational background in data science and visualization and unique blend of experience in research, health care, and data analysis. Able to leverage technical and statistical expertise to collect and analyze large volumes of data to support key business operations and help organizations make the right decisions. Skilled in analyzing complex data to identify opportunities for improvement in business processes. Strong background in programming and statistics. Work well independently or as member of a team to achieve targeted goals. Detail oriented and able to solve the most complex problems to provide reliable solutions. Communicate and build rapport easily with others.

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|-------------------------------------|-----------------------------------|------------------------|
| ✓ Project Management | ✓ Data Collection & Analysis | ✓ Research & Analysis |
| ✓ Analysis of Business Processes | ✓ Report Generation / KPI Reports | ✓ Statistical Analysis |
| ✓ Programming | ✓ Machine Learning Models | ✓ Statistical Modeling |
| ✓ Data Manipulation & Visualization | ✓ Strong Coding Skills | ✓ Data Warehousing |
| ✓ Data Validation | ✓ Data Collection Systems | ✓ Database Management |
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TECHNICAL SUMMARY

Software: Microsoft Office, SPSS, EEGLAB, ERPLAB, MATLAB, Tableau

Languages: Python, SQL, HTML, CSS, JavaScript

Operating Systems: Windows, Mac

Databases: MongoDB, SQL

Additional: Git, Matplotlib, Sci-kit Learn

EDUCATION

Data Science and Visualization Certificate, UC San Diego Extension, San Diego, CA

Doctorate in Neurophysiology, Fukushima Medical University, Fukushima, Japan

Master's in Rehabilitation Science, Chang Gung University, Taoyuan, Taiwan

Bachelor's in Physical Therapy, China Medical University, Taichung, Taiwan

SELECTED PROJECTS

NBA Champion Predictions: <https://github.com/changrita1114/MLNBASWinner>

Weather Project: <https://github.com/changrita1114/python-api-challenge>

Citi Bike Analysis: https://public.tableau.com/profile/fang.yu.chang#!/vizhome/fyc_hw/CitiBikeStory

EMPLOYMENT HISTORY

99 Ranch Market, San Diego, CA

2019 – 2020

Cashier

- Handled large volumes of cash, check, and credit card payments daily. Trained 13 new cashiers in business operations, equipment usage, and resolving customer issues, which improved customer service and efficiency of cashier processing.
- Created a detail-oriented procedure for processing different payment transactions and administering online orders.
- Identified pricing errors with products and made recommendations that significantly reduced future errors.

Sheng-Kong Orthopedic Clinic, New Taipei City, Taiwan

2014

Physical Therapist

- Managed the care and treatment of 150+ patients on a team daily. Assigned treatment plans for patients.

Chang Gung University, Taoyuan, Taiwan

2013 – 2014

Research Assistant

- Recruited subjects from outpatient clinics for research studies. Trained 3 graduate students on use of research equipment.
- Validated incoming data to check for accuracy and integrity; identified and corrected any errors.
- Collected and analyzed research data to create representative graphs and charts that highlighted results for presentations.

LANGUAGES

Fluent in English and Mandarin

Working knowledge of Japanese