Jamal Ching-Chuan Chen
陳慶全

Data Scientist

CONTACT

(private) +886-966-676-326
(work) +886-963-855-707

zw12356@gmail.com

www.linkedin.com/in/celestial0230

github.com/ChingChuan-Chen

EDUCATION

2012.09 2014.09 — **National Cheng Kung University, Tainan, TW**
Master of Statistics
GPA: 4.0 / 4.0
Thesis:
A Classification Approach Based on Density Ratio Estimation with Subspace Projection

2008.09 2012.06 — **National Cheng Kung University, Tainan, TW**
Bachelor of Economics and Statistics (Double major)
GPA: 3.5 / 4.0

LANGUAGES

Chinese	Native speaker
English	Fluent
Japanese	Intermediate

SKILLS

R / MatLab	Master
Statistics	Advanced
Machine Learning	Advanced
SQL / Python	High-Intermediate
Bash / C++ / Scala	Intermediate
C# / Java / JavaScript	Basic

REFERENCES

Jeng-Min Chiou
Research Fellow
Institute of Statistical Science
Academia Sinica
+886-2-2783-5611 ext 312
jmchiou@stat.sinica.edu.tw

SUMMARY

I am Jamal. I work as data scientist in a in multinational enterprise of wafer manyfacturing.
I am also ...

- A system developer with domain knowledge and strong technical skills.
- A machine learner acquainted with different algorithms to solve real problems.
- A skilled engineer in big data computing, data preprocessing and data visualization.
- A programmer skilled with R, Python, Shell, MatLab, Scala, SQL and C++.
- A statistician worked deeply with theoretical or applied statistical methods.

WORK EXPERIENCES

Taiwan Semiconductor Manufacturing Company Limited, Taichung, Taiwan
July 2016 - Present

Data Scientist, CIM Department
Develop automation systems on quality control of wafer processing from a big volume of data (3 billions per day).

Highlights

- Construct a developer-friendly environment for developing R and Python behind firewall.
- Introduce the GitLab solution to our department.
- Build up a big data solutiion for our department.
- Introduce a system for reviewing the relationships between measurements.
- Develop an algorithm of process changing detection which suits for final WAT data.
- Introduce a system to quickly yield analyze from data collecting to screening out key factors.
- Develop an algorithm to identify the defects on the wafer via a neural network model.

Academia Sinica, Taipei, Taiwan
September 2015 - June 2016

Research Assistant, Institute of Statistical Science
Complete at least one research on functional data analysis.

Highlights

- Construct a procedure to digest daily data from Taiwan freeway bureau.
- Use functional clustering and functional regression to impute the missing values.
- Build up a interactive visaulization system to view the flow, occupancy rate and speed data.
- Use functional clustering and functional regression to predict daily flows, occupancy rate and speed data.

JOURNALS

milr: Multiple-Instance Logistic Regression with Lasso Penalty

Ping-Yang Chen, Ching-Chuan Chen, Chun-Hao Yang, Sheng-Mao Chang and Kuo-Jung Lee
The R Journal (2017) 9:1 , pages 446-457 .
https://journal.r-project.org/archive/2017/RJ-2017-013/index.html

AWARDS

December 2017 — **TSMC Kaggle Competition for the Defect Recognition**
Third Place

August 2014 — **Competition for Data Analysis with R in Taiwan**
Honorable Mention