

# LIN, YEN-PING

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## SUMMARY

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- Life practitioner; Caregiver; Data Enthusiast; Non-typical IT guy.
- Have passion for public-related affairs.
- Gave talks in several places, such as SINICA, governmental health department...etc.
- Specific experiences of front-end development, WebGIS, interactive dashboard and data visualization.

## AWARDS

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- Won *Creativity Award* (Top 10), Chunghwa Post Big Data Competition, 2019
- Won *Top 5 Excellent team* in the Presidential Hackathon, 2018 (as external GIS expert)
- Won *5<sup>th</sup> place* in MIT x TMU Healthcare Hackathon, 2017
- Won *2<sup>nd</sup> place* in department of information management senior project contest, 2012

## EDUCATION

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**National Taiwan University of Science and Technology, Taiwan** 2019 - 2022

Master / Information Management

E-Business and Supply Chain Management (EBSCM) LAB

**National Taiwan University of Science and Technology, Taiwan** 2009 - 2014

Bachelor / Information Management

With double major in *Technology Management* and minor in *Foreign Applied Languages*

Graduated with GPA 4.0 (total average 87.27 with total 185 credits)

**University of Hradec Králové, Czech Republic** 2013.01 - 2013.06

Exchange Student / Faculty of Information Management

## WORK EXPERIENCE

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**Research Engineer** 2019.01 - 2021.01

Center for Green Economy, Chung-hua Institution for Economic Research (CIER)

- Analyzed Taiwan's biomass data and built an interactive GIS dashboard.
- Developed a RWD GIS website to promote System Integration Solution in Taiwan.
- Wrote couple of analytical articles about biomass in Taiwan.

**Research Assistant** 2018.01 - 2018.12

Kaohsiung Medical University

- Analyzed Out-of-hospital cardiac arrest (OHCA) data in Kaohsiung city and built a risk model which took the probability of occurrence of OHCA cases, the response time and the delivery time in consideration.
- Developed an interactive GIS dashboard to visualize OHCA data and the risk model.

## Research Assistant

2015.09 - 2017.04

National Taiwan University

- Analyzed and visualized New Taipei City's emergency medical service data.
- Simulated the journey of ambulance using AnyLogic and Java.
- Built a dynamical patrol model/algorithm for dispatching ambulance, improved average response time by 25% with statistical significance.
- Validate the model with agent-based simulation method.

## Intern

2014.02 - 2014.07

ETU, SYSTEX Corporation

- Learned to use big data tools such as Hadoop and Mahout.
- Researched on the RHadoop library and conducted distributed computing in R.
- Perform data analysis using machine learning algorithms such as Principle Component Analysis (PCA) and collaborative filtering. [ [Intern Report](#) ]

## PROJECTS

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### D4SG Data Hero: OHCA Risk Map

2016.10 - 2017.05

D4SG means *Data For Social Good*. This program gathered people to voluntarily contribute themselves to solve public affair problem using machine learning and data analytic skills. This project is considered as a paradigm of public and private partnership. [[more](#)]

## PROFESSIONAL SKILLS

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Programming	R, Python, Java
Web	HTML, CSS, JavaScript
Data Visualization	Leaflet, Highchart, Plotly, D3
Statistical Modeling	GLM, Multivariate Analysis, Decision Tree
Methodology	Design Thinking, System Dynamics, Agent-based Simulation

## CERTIFICATES

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English	<ul style="list-style-type: none"><li>• TOEIC: 855 (L:445 R:410)</li><li>• TOEFL iBT: 97 (R:27 L:29 S:19 W:22)</li><li>• IELTS: Overall 6.5 (L:7.0 R:7.0 W:6.0 S:6.5)</li></ul>
Database	<ul style="list-style-type: none"><li>• Oracle 10g: Database SQL Certified Expert (OCE)</li></ul>
Others	<ul style="list-style-type: none"><li>• New Taipei City's street artist (DoNuts Harmonica Ensemble)</li><li>• Lifeguard of International Committee of the Red Cross</li><li>• Google AdWords Qualified</li></ul>

## ACTIVITIES & INTERESTS

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- Mountain Climbing: 50+ peaks of 100 peaks of Taiwan.
- Running:
  - Half Marathon: 2023 Taipei Marathon (1:21:37, Rank 112/16,689)
  - Trail Running: 2024 Tour de Taipei (58K, 10:31:45, Rank 2/57)
- Harmonica playing: former leader of DoNuts Harmonica Ensemble