

# TING-YU, LIN

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## WORK EXPERIENCES

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### HR Data Engineer

HsinChu, Taiwan

*AUOptronics*

*Mar. 2021 - Present*

#### 【Data Analytics】

- Analyzed employees' prosocial behavior in the workplace, e.g., donation, questionnaire filling behavior.
- Analyzed Return of Investment (ROI) of Employee Stock Ownership Trust Policy and simulated ROI according to various situations. Assisted compensation and benefits department in promoting their welfare activity.

#### 【Machine Learning】

- Built a machine learning model to predict job applicants' stability. Conducted error analysis for model and improved model's AUC by 12 percent.
- Maintained and evaluated model of Q12 Employee Engagement Score prediction.

#### 【Data Visualization】

- Established human resource management index dashboards via Tableau. Provided recruiting and staffing, organizational development, compensation and benefits, and site services department dashboards to track their management metrics.
- Enhanced the performance of Tableau dashboards by designing data schema, writing SQL to query the minimal sufficient data, and applying calculation and layout tips. Reduced 80 percent of dashboard render time.

#### 【Web Crawler/RPA/Data Governance】

- Wrote web crawler to collect daily News (including industry, government policy, and HR-related News) from GoogleNews and Digitimes for HR department.
- Built robotic process automation (UiPath) automates HR's daily process.
- Cooperated with human resources, information technology, and quality system department to complete data governance. Ensured the data was consistent and trustworthy for the whole company.

## EDUCATION

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### University of Melbourne

Melbourne, Australia

*Postgraduate Exchange Program*

*Jul. 2019 - Jul. 2020*

### National Taiwan University

Taipei, Taiwan

*M.S. in Psychology*

*Sep. 2017 - Jul. 2020*

- Thesis: Developed cross-platform cognitive assessment tool (CogAT).
- Developed R package (NTUCogTask) for CogAT users to wrangle raw data into psychological features.
- Publication: Yeh, Y.-Y., Lin, T.-Y., Huang, T.-R., Kuo, C.-Y. (2022) Development of a tablet-based task battery of executive functions. Chinese Journal of Psychology, in press

### National Taiwan University

Taipei, Taiwan

*B.S. in Psychology*

*Sep. 2013 - Jun. 2017*

## SKILLS

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### Analytics

Statistics, Machine Learning

### Programming

Python, SQL, JavaScript, R, HTML, CSS, PHP, Linux, JAVA

### Tools

Tableau, Scikit-Learn, Git, Pytorch, Shiny (R), Cordova, UiPath, React.js, Markdown, Vim

### Language

Mandarin Chinese (Native), English (Fluent)