

# CHIH-YANG HUANG

📍 302082 新竹縣竹北市台元二街 9 號 📞 +886 912295840

✉ user@hcy.idv.tw 🏠 www.hcy.idv.tw 📧 hcyuser

## Education & Training

### National Taiwan University

M.S. in AI, Computer Science and Information Engineering (GPA 4.0/4.3)

Taipei, Taiwan

2019 - 2021

### Institute of Statistical Science, Academia Sinica

Summer School Student

Taipei, Taiwan

2017

### University of Malaya

Exchange Program

Kuala Lumpur, Malaysia

2016 - 2017

### University of Taipei

B.S. in Computer Science (94.84/100)

Taipei, Taiwan

2015 - 2019

## Work Experience

### Senior Engineer

Design Engineering Service, Novatek Microelectronics Corp.

Hsinchu, Taiwan

Apr. 2021 - Now

- Python3 to parse data and connect with PostgreSQL
- Webix, Quasar, PrimeVue and Vue3 to build front-end website
- Mocha and Jest to do front-end website unit test
- Java Spring-boot to build back-end business models and algorithms
- JUnit to do back-end website unit test

### Research Assistant

Research Center for Digital Humanities, National Taiwan University

Taipei, Taiwan

Feb. 2019 - Jul. 2019

## Master Thesis

- Title: Company Failure Risk Assessment Based on the Court's Judgments
- Methods: Use bi-LSTM, word embedding, SVM and logistic regression to build several models. Establish web pages to visualize the results.
- Technical Skills: Python, PyTorch, HTML, CSS, JavaScript, PHP, MySQL

## Conference Proceedings

### Company Failure Risk Prediction Based on the Court's Judgments

Chih-yang Huang

DADH 2020

Academia Sinica, Taipei

### An HGIS Platform of Taiwanese Land Deeds

Jieh Hsiang, Chih-yang Huang

PNC 2019

Nanyang Technological University, Singapore

### An user-oriented HGIS platform on Taiwanese Land Deeds

Chih-yang Huang, Nung-yao Lin, Chung-Hsiang Ou

JADH 2019

Kansai University, Osaka, Japan

## Journal Papers

### DocuWidgets: Enhanced Toolkits for DocuSky

Chih-Yang Huang, Jieh Hsiang, Hsieh-Chang Tu

數位典藏與數位人文, (9), 1-13, 2022

NTU, Taipei

**Exact and Heuristic Algorithms for Some Spatial-aware Interest Group Query Problems**  
Journal of Internet Technology, vol. 21, no. 4, pp. 1199-1205, Jul. 2020  
Chih-Yang Huang, Po-Chuan Chien, Yen Hung Chen NTU, Taipei

## System Projects with DOI

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**淡新檔案客家研究數位分析系統 (DASH)** Apr. 2020  
HTML, CSS, JavaScript, PHP, MySQL, Sphinx Search Engine RCDH, NTU

**THDL 古契書歷史地理資訊系統** Aug. 2019  
HTML, CSS, JavaScript, PHP, MySQL RCDH, NTU

## Community Projects

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**Inkrosetta, Top 20 Team in the 2022 Taiwan Presidential Hackathon** Sep. 2022  
The Uniform News Platform for Government Executive Yuan, Taiwan

**E.SUN AI Open Competition Winter 2021-Credit Card Transaction Category Recommendation (13 / 859)** Feb. 2022  
LSTM, Neural Network Model E.SUN Commercial Bank, Taipei

## References

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**Prof. Jieh Hsiang** jhsiang@ntu.edu.tw  
Department of Computer Science and Information Engineering, National Taiwan University  
Distinguished Professor

**Prof. Yen Hung Chen** yhchen@utaiei.edu.tw  
Department of Computer Science, University of Taipei Associate Professor