CHIH-YANG HUANG

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GENERAL INFORMATION

- I earned my M.S. in **AI**, **Computer Science** and Information Engineering (GPA **4.0**/4.3) from **NTU** (the top **1%** school in Taiwan) in 2021.
- I have been serving as a **software engineer** at **Novatek Microelectronics Corp** (the top **6** IC fabless design houses in the **world**) since 2021.
- I can speak native **Chinese**, professional **English** and basic **Bahasa Melayu**.
- Programming Language: **JavaScript** 35%, **Python3** 30%, **Java** 30% and Bash 5%
- Skills: **Web Programming**(Java Spring Boot, Vue3), SQL(PostgreSQL), **ML**(Scikit-learn and PyTorch), AI and Software Engineering

WORK EXPERIENCE

NOVATEK MICROELECTRONICS CORP. | Senior Engineer at CAD, Design Engineering Service

Hsinchu, Taiwan | Apr. 2021 - Now

- I was among **the initial employees** to join the Design Platform (DP) sub-department and played a **vital** role in shaping the **department's development direction**.
- In order to replace outdated project management methods like manual MS Excel editing, I established a robust design platform for **streamlined data manipulation and analysis**.
- I designed and implemented a **data storage mechanism** to enable data analysis and visualization, which the company had **never had before**.
- I developed several **machine learning models** to predict the allocation of computing resources, with the goal of **reducing computing power consumption**.

NATIONAL TAIWAN UNIVERSITY | Research Assistant At Research Center for Digital Humanities

Taipei, Taiwan | Feb. 2019 - Jul. 2019

- I harnessed **web programming techniques**, including full-text and GIS queries, to explore and analyze **historical documents**.

EDUCATION & TRAINING

National Taiwan University   Taipei, Taiwan | 2019 - 2021
M.S. in AI, Computer Science and Information Engineering (GPA 4.0/4.3)
Coursework: Advanced Artificial Intelligence; Natural Language Processing; Introduction to Digital Speech Processing
Master Thesis: Company Failure Risk Assessment Based on the Court's Judgments
Skills Used in the Thesis: Use **bi-LSTM, word embedding, SVM and logistic regression** to build several models.
I published a **journal paper**(EI index) as the **first author**.

Institute of Statistical Science, Academia Sinica   Taipei, Taiwan | 2017
Summer School Student
Coursework: Financial Statistics; Industrial Statistics

University of Malaya   Kuala Lumpur, Malaysia | 2016 - 2017
Exchange Program
Coursework: Computer Network; Digital System Design

University of Taipei   Taipei, Taiwan | 2015 - 2019
B.S. in Computer Science (94.84/100)
Coursework: Data Structures; Algorithms
Top **1** student in the class
Awarded **6** times entrance scholarship and **got NTD$ 300,000** in total