

CHIH-YANG HUANG

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GENERAL INFORMATION

- I have been serving as a **senior software engineer** at **Appier Inc** in **Nikkei 500** Stock Average list since 2024.
- I worked as an **advanced software engineer** at **Novatek Microelectronics Corp** (the top **6** IC fabless design houses in the world) from 2021 to 2023.
- 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 can speak native **Chinese**, professional **English** and basic **Bahasa Melayu**.
- Skills: **Programming**(Java, JavaScript, Python), **RDBMS**(PostgreSQL, MySQL), **NoSQL**(MongoDB, Redis), **ML**(Scikit-learn and PyTorch), **Data Monitor**(Elasticsearch, Grafana), **IaC**(Terraform, Ansible), **Kubernetes**, **AI** and **Project Management**

WORK EXPERIENCE

APIER INC. | SENIOR SOFTWARE ENGINEER

Taipei, Taiwan | Jan. 2024 - Now

- Developed an **AI-powered** e-commerce campaign delivery system, able to resolve **44%+** of engineering issues; clients included **Carrefour**, **Pizza Hut**, and others.
- Designed and implemented a **data pipeline** to enable video campaign tracking and drive **increased revenue** through engaging, interactive video experiences.
- Contributed to the **enterprise console**, the main entry point for **all company products**.
- Acted as a unifying force within the team, coordinating across **2+** regions and **4+** nationalities.

NOVATEK MICROELECTRONICS CORP. | ADVANCED SOFTWARE ENGINEER AT CAD, DES

Hsinchu, Taiwan | Apr. 2021 - Dec. 2023

- As the **first** employee in the Design Platform team, the manager and I decided the **initial tech stack** and the platform **roadmap**. The platform replaced outdated tools like manual Excel tracking and has reduced project management process across **10+** major projects, including those for **Samsung**, **Apple**, and others.
- Built the data pipeline system and developed **2+** machine learning models to reduce **20% computing resources**.

NATIONAL TAIWAN UNIVERSITY | RESEARCH ASSISTANT AT RESEARCH CENTER FOR DIGITAL HUMANITIES

Taipei, Taiwan | Feb. 2019 - Jul. 2019

- **web programming techniques**, including full-text search and GIS queries, to analyze **historical documents**.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