HAO-CHENG KAN

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PROFILE

Engineer specialized in Artificial Intelligence, Embedded Systems, and Industrial Computer Vision. Experienced in developing deep learning models for quality inspection, industrial automation, and AIoT integration. Proficient in Python, PyTorch, and Linux- and cloud-based environments.

PROFESSIONAL EXPERIENCE

Hon Hai Precision Industry (Foxconn)　　　　　　　　　　　　06/2024 – 03/2026
AI Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　*Shenzhen*

- Developed AI-based image segmentation models for industrial quality inspection using PyTorch.
- Integrated embedded systems with AIoT technologies into production lines.
- Optimized automated manufacturing processes to improve efficiency and defect detection rates.
- Implemented edge inference solutions on Linux-based systems.

Peking University　　　　　　　　　　　　　　　　　　　　　09/2021 – 07/2023
Technical Assistant / Teaching Assistant　　　　　　　　　　　　　*Shenzhen*

- Maintained and enhanced university web systems.
- Assisted in teaching courses in Artificial Intelligence and Cryptography.
- Supported academic and administrative processes.

OxBridge Consulting Inc　　　　　　　　　　　　　　　　　　12/2018 – 07/2020
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　*Taipei*

- Developed frontend and backend systems using JavaScript, AngularJS, and PHP.
- Conducted system testing and deployment on AWS and Ubuntu servers.
- Built web-based enterprise solutions.

EDUCATION

Peking University
M.Eng. in Applied Computer Science　　　　　　　　　　　　　09/2021 – 01/2026

- Specialization: Machine Learning and Image Processing

Lunghwa University of Science and Technology
MBA in Information Systems Management　　　　　　　　　　　08/2015 – 06/2017
BBA in Information Management　　　　　　　　　　　　　　　08/2011 – 06/2015

- Focus: Information Systems Management and Financial Technology

TECHNICAL SKILLS

Programming Languages	Python, JavaScript, Java, PHP, R, C#
Machine Learning	PyTorch, TensorFlow
Computer Vision	Image Segmentation, Deep Learning, Industrial Inspection
Web Technologies	Angular, React, Vue, Flask
Databases	MariaDB, Oracle, MS SQL
DevOps	Docker, AWS
Operating Systems	Linux (Ubuntu, RedHat), Windows Server
Version Control	Git, GitHub

CERTIFICATIONS

- RHCSA – Red Hat Certified System Administrator (2015)
- Oracle Certified Professional Java Programmer (OCJP) (2013)
- IPMA Project Management Associate (Level D) (2013)