

HAO-CHENG KAN

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EDUCATION

Peking University

Master of Computer Applied Technology

Sep 2021 - Jun 2026

- Academic Excellent Awards (Apr 2024)

Lunghwa University of Science and Technology

Master of Business Administration in Information Management

Aug 2015 – Jun 2017

Bachelor of Business Administration in Information Management

Aug 2011 – Jun 2015

- Academic Excellent Awards (Nov 2012, Apr 2013, Oct 2013 and May 2014)
- Minors: Financial Technology; Innovative Entrepreneurship

PROFESSIONAL SKILLS

Typesetting Systems	LaTeX , Microsoft Word
Programming	R, PHP, JavaScript, Java, Python, C Sharp, Visual Basic
Website	HTML5 and CSS
Server	Ubuntu, RedHat, SuSE, Windows Server
Database	MariaDB, Oracle 11g, MS SQL, Hadoop
Project Management	GitHub, Git
Web Framework	Laravel, Angular, React, Vue, Python Flask
DevOps	Docker, AWS
Machine Learning Framework	TensorFlow, PyTorch

EXPERIENCE

Hon Hai Precision Industry Co. Ltd

Jun 2024 - Mar 2026

Engineer

Shenzhen

- Embedded Systems and AIOT Technology: Integrate embedded systems with AIOT technology for the development of robots and optimization of industrial production lines.
- Artificial Intelligence and Deep Learning: Utilize artificial intelligence and deep learning techniques to enhance the accuracy and efficiency of industrial inspection, including applications like image segmentation.
- Improvement of Industrial Production Lines: Achieve automation and intelligence in industrial production lines through the use of embedded systems, AIOT, and artificial intelligence technologies, thereby improving production efficiency and product quality.

Peking University

Sep 2021 - Jul 2023

Engineer, Administrative Assistant, and Teaching Assistant

Shenzhen

- Web system maintenance
- Teaching assistant for courses in artificial intelligence and cryptography
- Responsible for performing paperwork in the general office.

OxBridge Consulting Inc

Dec 2018 – Jul 2020

Engineer

Taipei

- Front-end and back-end development, and user interface design
- Conducting systems function tests
- Programming languages and software employed: JavaScript, AngularJS, PHP, CSS, MySql, AWS, and Ubuntu Server

Compulsory Military Service

Dec 2017 – Dec 2018

Corporal

Taichung

- Participating in military trainings and assistance in disaster relief
- Team management, including daily service support, counselling, new recruit orientation, etc.

Lunghwa University of Science and Technology
Lab and Teaching Assistant

Aug 2014 – Aug 2016
New Taipei

- Network equipment implementation and maintenance
- Assistance in the teaching and assignment grading for courses on Linux Server and R programming

JGNet Taiwan
Network Engineer

May 2014 – Aug 2014
Taoyuan

- Broadband network design, installation and maintenance for residential communities

PROFESSIONAL CERTIFICATIONS

- e-Enterprise Data Analyst, 2016
- Red Hat Certified System Administrator (RHCSA), 2015
- Novell Certified Linux Administrator (NCLA 11), 2014
- Oracle Certified Expert (OCE 10g), 2014
- Oracle Certification for Java Programmer (OCJP 6), 2013
- IPMA Certified Project Management Associate (Level D), 2013

RESEARCH/PROJECTS

The Impacts of China's Deleveraging on the Chinese Economy (Jan 2019 – Dec 2019)

- Description: This research first used the DSGE model to analyze the volatility of China's total output value, annual interest rate, and inflation rate for the overall economy of China from 1992 to 2017. Then, using the VAR, it found that the deleveraging of non-financial enterprises had short-term negative impacts on the overall economic growth rate, which would decrease with time. In the long run, the deleveraging of non-financial enterprises had minimal impacts on the overall economic growth rate.
- Keywords: Dynamic Stochastic General Equilibrium (DSGE), Vector Autoregression Model (VAR), macroeconomics, deleveraging, business cycle, Basel III, shadow banking system, H-P filter

A3S Academic Achievement Analysis System (Aug 2015 – Sep 2017)

- Description: This project developed an interactive academic achievement analysis system, analyzing students of information management at Longhua University of Science and Technology, who entered after 2008, by their performance in different types of courses, their economic conditions, and post-graduation employment. It can thus predict the career development after graduation based on individual students' initial conditions.
- Hao-Cheng Kan & Fang-Ling Lin (10 Dec 2016). The Impact of Student Loans on Academic Performance: A Cluster and Visual Analysis. presented at the 22th CSIM IMP, Taichung, Taiwan.
- Programming languages and software employed: R, RShiny Server, MariaDB, and Ubuntu Server

S-Gate e-Learning and Classroom Management System (Aug 2013 – Aug 2015)

- Description: This project designed a mobile teaching system based on the concept of e-campus, which had two kinds of functions. The first simplified the operation of student affairs and classroom management, enabling activities such as Bluetooth attendance tracking. The second enabled the use of mobile devices for real-time class interactions such as teaching contents delivery, assessment, group discussion, Q&A, etc.
- Programming languages and software employed: Node.js, JS, PHP, MariaDB, Android, and Ubuntu Server