

# Kevin Cheng

Software Developer

**U.S. CITIZEN**

Graham, NC  
(323) 646-9802  
kevin0980365799.work@gmail.com  
<https://github.com/Ping-Sung>

Recent Management Information System Graduate with 3+ years in software development and 2+ years in AI research and application development using Laravel, Django, and ReactJS. Strong problem-solving skills and a passion for technology to drive positive change.

## SKILLS

- **Programming Language:** Python, PHP, JavaScript, C++, JAVA
- **Operating System/Server:** Windows Server, Linux (CentOS, Ubuntu), AWS, Gunicorn, Nginx, Docker
- **Web Development:** Django, ReactJS(ES6), Laravel, Flask, HTML/CSS, Restful API, MySQL
- **Deep Learning:** Pytorch, PyG, Keras, Pandas, Object detection, Semantic segmentation
- **Languages:** Mandarin (fluent), English (fluent), Japanese (intermediate)

## EXPERIENCE

**National Chung Hsing University, Occupational Safety and Health Administration, MOL**

**Taichung, Taiwan**

**Taiwan Semiconductor Manufacturing Co., Ltd (TSMC)**

*Feb. 2021 - Feb. 2022*

Artificial Intelligence Project Research Assistant

- Implemented AI safety identification technology improvement plan for structural steel construction sites and semiconductor fabrication plant using edge computing architecture.
- Trained AI models with PyTorch, achieving 93%+ F1-score in object detection and 80%+ IoU in semantic segmentation.
- Contributed to the development of dangerous detection rules and alarms interface using Django.
- Responsible for the deployment of an edge computing system with Jetson Nano.
- Completed 60% of the documentation for the project and served as the presenter for mid-term report.

**WanIn International Co., Ltd.**

**Taichung, Taiwan**

Backend Developer

*Mar. 2020 - Dec. 2020*

- Developed, implemented, and customized a responsive official website and donation process for a library book donation management system.
- Led the development of back-end services and RESTful APIs using PHP Laravel, including 50% of the API design, while overseeing process design to ensure system reliability and scalability through MVC pattern.
- Designed a comprehensive library system with integrated book donation functionality and lending/returning workflows.
- Implemented JWT-based user authentication to manage user sessions, verify user identities and control user access for enhanced security.
- Developed web scraping tools to extract ISBN and other relevant information from book titles, facilitating data entry for foundation staff and reducing data input time by 70%.

**ShangDa Plastic Inc.**

**Taichung, Taiwan**

Backend Developer

*Jun. 2020 - Feb. 2021*

- Spearheaded the development of the Manufacturing Information Management System using PHP Laravel, streamlining manufacturing operations and enhancing data management.
- Designed an end-to-end digital solution for customer information, raw material procurement, and inventory control processes, leading to a remarkable 50% increase in data input efficiency and eliminating human errors entirely.

## PROJECTS

**Personal Website**

*Jun. 2023 - Present*

- Created a personal website using Django Rest Framework for the back-end and ReactJS for the front-end to showcase my technical skills and side project portfolio.
- Deployed the personal website on an AWS EC2 container, utilizing AWS services, Gunicorn, and Nginx for server management and performance optimization.

## EDUCATION

**National Chung Hsing University**

**Taichung, Taiwan**

Master of Business Administration in Management Information System, GPA: 4.18 / 4.3

*Sept. 2020 - Jun. 2022*

**National Taichung University of Science and Technology (Elite Program)**

**Taichung, Taiwan**

Bachelor of Information Management, GPA: 3.98 / 4.0

*Sept. 2018 - Jun. 2020*