

# Kevin Cheng

Software Developer

U.S. CITIZEN

Sunnyvale, CA

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<https://github.com/Ping-Sung>

Recent Management Information System Graduate with 3+ years of experience in software development and 2+ years of experience in AI research and AI-based application development. Adept at utilizing Laravel, Django and ReactJS to deliver innovative solutions. Known for exceptional problem-solving skills, a collaborative mindset, and a passion for technology to drive positive change.

## SKILLS

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- **Programming Language:** Python, PHP, JavaScript
- **Operating System:** Windows Server, Linux (CentOS, Ubuntu), AWS, Gunicorn, Nginx, Docker
- **Web Development:** Django, ReactJS(ES6), MVC, html/CSS, Restful API, SQL, Laravel, Flask
- **Deep Learning:** Pytorch, PyG, Keras, Pandas, object detection, semantic segmentation
- **Languages:** Mandarin (fluent), English (fluent), Japanese (intermediate)

## EXPERIENCE

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**National Chung Hsing University, Occupational Safety and Health Administration, MOL  
Taiwan and Taiwan Semiconductor Manufacturing Co., Ltd (TSMC)**

**Taichung, Taiwan**  
*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**  
*Mar. 2020 - Dec. 2020*

Backend Developer

- Developed, implemented, and customized a responsive official website and donation process for a library book donation management system through nginx.
- Led the development of back-end services and RESTful APIs using PHP Laravel, including 50% of the API design, while also overseeing process design to ensure system reliability and scalability.
- Designed a comprehensive library system with integrated book donation functionality, including the lending and returning workflow.

## PROJECTS

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**Personal Website**

*Jun. 2023 - Aug. 2023*

- Created a personal website using Django Rest Framework for the back-end and ReactJS for the front-end development.
- Deployed the personal website on an AWS EC2 container, utilizing AWS services, Gunicorn, and Nginx for server management and performance optimization.

**Minimum Viable Product of an Invoice Recognition System**

*Nov. 2022 - Jan. 2023*

- Developed an invoice recognition system, reducing the accounting firm's reimbursement process time by 40% using Azure AI services.
- Designed the minimum viable product (MVP) by collaborating closely with stakeholders and understanding business needs.
- Employed the full stack website design with Python Flask framework.

## EDUCATION

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**National Chung Hsing University**

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

**Taichung, Taiwan**  
*Sept. 2020 - Jun. 2022*

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

Bachelor of Information Management, GPA: 3.98 / 4.0

**Taichung, Taiwan**  
*Sept. 2018 - Jun. 2020*