

# Pin-Chun LU

☎ (608) 772 - 9838 • ✉ plu49@wisc.edu • in [linkedin.com/in/pin-chun-lu](https://www.linkedin.com/in/pin-chun-lu)

## EDUCATION

### University of Wisconsin-Madison | Madison, WI

Sep 2023 - Dec 2024 (expected)

*Master's degree, Computer Science*

Madison, WI

- Relevant coursework: High-Performance Computing, Big Data Systems

*Certificate, Computer Science, GPA: 4.0/4.0*

Sep 2022 - May 2023

- Relevant coursework: Data Structures, Networks, Operating Systems

Madison, WI

### National Taiwan University

Sep 2015 - Jun 2020

*Bachelor's degree, Atmospheric Science / Entomology*

Taipei, Taiwan

- Academic Excellence Award (top 5% of the class in a semester) in 2017
- Relevant coursework: Program and Scientific Computing, Matlab, Numerical Analysis

## WORK EXPERIENCE

### eKoPro Solutions Inc.

Dec 2021 - Jun 2022

*Frontend Web Developer*

Taipei, Taiwan

- Optimized the **Vue.js**-powered application with **RWD**, simplifying user access and reuse, compressing the project timeline from 1 month to just 2 weeks, a 50% reduction
- Simplified **React.js** code by 35%, organized UI components into separate files for easier maintenance, and improved UI component management and sharing
- Enhanced and applied new tools to resolve mathematical logic form validation, resulting in a 20% reduction in data errors

## PROJECT

### Blog (Node.js / Express.js / EJS view engine / MySQL / Heroku)

Aug 2021 - Sep 2021

*Full-Stack role*

Taipei, Taiwan

- Developed **RESTful APIs** for editing and posting articles with **express.js** and **MySQL**
- Developed a **user authentication-based login** system to enhance security through express-session
- Deployed web applications on the **Heroku** platform

### Second Hand Bookstore Website (Node.js / Express.js / MySQL / AWS EC2)

Oct 2021

*Back-end role*

Taipei, Taiwan

- Designed and developed **RESTful APIs** for retrieving book information using **Express.js** and **MySQL**
- Deployed **RESTful APIs** on **AWS** to enable front-end data retrieval from the URL
- Separated front-end and back-end applications using **Nginx** for improved development organization

### Bulletin Board (PHP / AWS EC2 / MySQL)

Oct 2021

*Full-stack role*

Taipei, Taiwan

- Established user roles (e.g., "user" and "manager") with distinct permissions, enhancing the member system
- Implemented security mechanisms to prevent **XSS**, **SQL Injection**, and unauthorized manipulation of cookies and query strings
- Improved database performance by optimizing queries with the strategic use of left joins

## SKILLS

- Programming Language: JAVA (proficient), C/C++, Python, M
- Web Development: ReactJS (proficient), Vue.js, Node.js, HTML/CSS, JavaScript, PHP
- Tools: MySQL, GitHub, GitLab Flow, Scrum, Deployment on AWS, Docker