

Tzu-Chun Hsu

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SUMMARY

Highly motivated and detail-oriented IT professional with a solid academic background and hands-on experience in database management, cloud management, web development, and e-commerce projects. Developed practical skills through internships, including enhancing user interaction through UI/UX design and managing inventory systems with ERP tools, while also gaining experience in conducting penetration testing and creating dynamic websites. Passionate about leveraging technology to solve real-world challenges and contribute meaningfully to innovative projects.

For more details about my work and projects, please check out my portfolio linked in the top-right corner.

EDUCATION

- **New Jersey Institute of Technology, NJ** *Jan 2022 – May 2025*
 - Bachelor of Science in Information Technology
 - GPA: 3.775

EXPERIENCE

- **Student Assistant, New Jersey Institute of Technology CS Department, NJ** *May 2024 - Aug 2024*
 - Coordinated datasets and created image caption to support AI model training and evaluation tasks.
 - Coordinated and translated machine learning-related academic papers and literature.
- **Internship, Stop 4 Luxury, NYC, NY** *July 2022 - Nov 2022*
 - Managed inventory data using Excel and ERP systems, ensuring accurate packaging and distribution.
 - Optimized the online shopping experience using Shopify and CRM tools, focusing on user experience and sales improvement.
 - Prepared tailored sales proposals to support business development, focusing on identifying client needs and presenting customized solutions.
- **Student Assistant, Louisiana State University Radiation Safety Office, LA** *May 2022 – July 2022*
 - Maintained order and safety through effective crowd control.
 - Efficiently organized and sorted mail and files, supporting office operations.
 - Perform data entry and analysis to support radiation contamination related research projects.
 - Created diagrams to visualize and communicate complex project details.
 - Supported various radiation safety projects with diagram creation and research assistance.
- **Internship, Dragon Crown Property Development, LLC, NJ** *Sep 2021 – May 2022*
 - Facilitated the design and development of a user-centric website, improving UI/UX design to enhance customer interaction.

SKILLS

- Cloud Management (AWS, GCP, Azure)
- Coding (Java, Python, C#, PHP)
- Website Development (Django, HTML, CSS, JS)
- Database Management with MySQL
- Network Scan Troubleshooting
- Mandarin

PROJECTS

- **Distributed Backend System Development**
 - Developed a scalable backend system using Python, RabbitMQ, and MySQL, incorporating automated monitoring, error handling, and high-concurrency support.
- **Cybersecurity & Penetration Testing**
 - Identified and mitigated security vulnerabilities through penetration testing with Kali Linux, strengthening system defenses.
- **DLL Injection Research & Defense**
 - Investigated DLL injection techniques and implemented detection mechanisms to enhance Windows system security.
- **E-Commerce Product Recommendation System**
 - Designed and developed a recommendation system for a medical product company, optimizing UI/UX and building dynamic e-commerce websites with HTML, CSS, JavaScript, PHP, and SQL.