

Min Ting Tu

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EDUCATION

NC State University, Raleigh, NC

Expected May 2026

Master of Computer Science

GPA: 3.72/4.0

Coursework: Design and Analysis of Algorithms, Database Management, Software Engineering, Software Security, DevOps, Computer Network

SKILLS

Languages: JavaScript, Python, SQL, HTML/CSS, C#, C++

Frameworks: React.js, Next.js, Trawind CSS, Bootstrap, Ajax

Developer Tools: Git, Docker, GitHub Actions, Ansible, VS Code, Jenkins, Vercel

Libraries: GSAP, WebGL

WORK EXPERIENCE

Management Information System Intern, YS-infoware, Taoyuan, Taiwan

Jan.2024 – June.2024

- Utilized JavaScript combined with SQL to customize the appearance of forms, delivering the reports and functionalities requested by the client.
- Maintained company network servers, managed firewalls, monitored and optimize six server hosts, and ensured the stable operation of 70 form systems.

Programming Tutor, Freelancer

Jan. 2023 – Jan. 2024

- Enabled a student to launch a commercial fruit sales website by providing guidance in ASP.NET Core MVC and JavaScript, resulting in increased online sales for a family business.

Information Security Intern, Galaxy Software Services, Taipei, Taiwan

July 2022 – Dec. 2022

- Assisted in one-month training of 30 interns by preparing course materials and helping interns solve problems in building a library management system.
- Programmed automated testing codes by Selenium, Jenkins, and Python to meet clients' requirements.

Jan. 2021 – Jan. 2022

- Resolved 5+ client systems' security vulnerabilities detected by source code analysis software and identified the causes.
- Supported 10+ clients in troubleshooting security vulnerabilities in their systems.
- Built a library management system in one month using ASP.NET MVC framework.

PROJECT EXPERIENCE

DevOps CI/CD Pipeline for Web Application

- Built a GitHub Actions-based CI/CD pipeline with automated linting, unit, integration tests, and security checks (Snyk), ensuring only verified code reaches production.
- Deployed staging and production environments on AWS EC2 instance using Docker containers and Ansible, integrated CDN (AWS CloudFront) for fast image delivery, and managed PostgreSQL database hosted on AWS.

Taiwan Impact Platform for Culture

- Developed Taiwan's only cultural impact platform from scratch, integrating nationwide cultural data into a scalable React/TypeScript website on Vercel, collaborating with a local revitalization team to promote and preserve culture.

Job Application System

- Developed and enhanced the project by integrating functionalities such as job editing, AI-driven questionnaires, and a chat room using React, JavaScript, and MongoDB.

ACHIEVEMENTS AND CERTIFICATE

- Getting Started with AWS Cloud Essentials**, AWS Training & Certification
- Galaxy Software Services Summer Chatbot Hackathon**: Led team of 4 to place 2nd out of 40 teams.
- Yuan Ze University**: Received the Yuan Ze Academic Silver Award (top 35 students for academic excellence).