

# Min Ting Tu

Raleigh, NC 27606 | [mtu@ncsu.edu](mailto:mtu@ncsu.edu) | (984)379-1936 | [LinkedIn](#) | [GitHub](#)

## EDUCATION

<b>NC State University</b> , 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, Tailwind CSS, Bootstrap, Ajax

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

**Libraries:** GSAP, WebGL

## WORK EXPERIENCE

<b>Management Information System Intern</b> , YS-infoware, Taoyuan, Taiwan	Jan.2024 – June.2024
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- 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 optimized six server hosts, and ensured the stable operation of 70 form systems.

<b>Programming Tutor</b> , Freelancer	Jan. 2023 – Jan. 2024
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- 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.

<b>Information Security Intern</b> , Galaxy Software Services, Taipei, Taiwan	July 2022 – Dec. 2022
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- 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).