

Chia Chun (Chloe) Chen

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SOFTWARE DEVELOPER

C# | System Development | Growth-Oriented

- Software and Manufacturing Systems Engineer with 3+ years of experience in semiconductor manufacturing systems, MES, data integration, and AI-driven defect detection.
- Holds a Master's degree in Biomedical Informatics with expertise in data analytics, machine learning, databases, and system integration; Current student of Health Informatics Technology
- Demonstrated analytical and critical thinking skills, with an acumen for learning new technologies

TECHNICAL SKILL

Programming Languages:	C#, JavaScript, Python, HTML/CSS
Database Management:	SQL, PL/SQL
Web Technologies:	jQuery, .Net, ASP.NET
Development Tools:	Git/GitHub, Visual Studio Code, Eclipse
Other Technologies:	Machine Learning, Deep Learning

WORK EXPERIENCE

Software Engineer Xintec Inc., Taoyuan, Taiwan	Oct 2021 - Oct 2024
<ul style="list-style-type: none">• Maintained and enhanced the Manufacturing Execution System (MES) to support high-volume semiconductor production with a focus on scalability, performance, and reliability.• Participated in 2 cross-functional projects and delivered 10+ user requirements from analysis to implementation, improving production workflows and system usability.• Implemented Fault Detection and Classification System (FDC) for defect prediction, utilizing 10+ analytical methods and nearly 10 types of charts to visualize trends, anomalies, and root-cause insights.	

ACADEMIC PROJECTS

AI Image Segmentation & GAN System Master Thesis, National Yang Ming Chiao Tung University	
<ul style="list-style-type: none">• Developed a Python & PyTorch application for pixel-level segmentation, integrating GAN training to enhance prediction quality and robustness.• Implemented analysis modules with visualization formats, achieving 4% performance improvement over baseline model.	
Smart Pillbox Cloud Management System Undergraduate Project, Ministry of Science & Technology	
<ul style="list-style-type: none">• Designed an IoT + cloud platform integrating Arduino hardware, Bluetooth communication, mobile apps, and SQL Server backend.• Built cross-platform interfaces (iOS/Android/Web) with notification and reporting modules used by patients and caregivers.	

EDUCATION

Health Informatics Technology (Co-op) Advanced Diploma (Fast-Track) Centennial College, Toronto, ON	Sep. 2025 - Present <i>Expected Graduation: Apr. 2027</i>
<i>Key Courses:</i> Java Programming OOP Principles Web Application Development Testing & QA	
Master of Biomedical Informatics National Yang Ming Chiao Tung University, Taipei, Taiwan	Sep. 2019 - Aug. 2021
Bachelor of Healthcare Information & Management Ming Chuan University, Taipei, Taiwan	Sep. 2015 - Jun. 2019