

Yi-Yang Lin

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WORK & RESEARCH EXPERIENCE

Wistron Corporation

PCBA Process Engineer

Hsinchu, TW

Nov. 2025 – Mar. 2026

- Maintained SMT/DIP PCBA Nvidia GPU Server Blackwell B200, B300, Vulkan AI Server production, ensuring capacity, on-time delivery, yield optimization, and output target achievement.
- Oversaw IPQC and process control, driving root cause analysis, CAPA implementation, and customer audit compliance.
- Managed manpower, materials, and equipment planning, standardizing workflows and leading continuous improvement (CIP) initiatives to enhance productivity and quality.

Delaware North – Allianz Field/Target Field

IT Technician

Minnesota, USA

Jun. 2025 – Jul. 2025

- Provided technical maintenance for desktops, laptops, network, printers, delivering employee support with Oracle Micros POS systems, including installation, troubleshooting to ensure seamless operations.

Chowbus – Restaurant Software

Technical Support Associate

New York, USA

Nov. 2024 – Apr. 2025

- Installed and configured SaaS-based POS, including networking setup (ISP, modems, routers, switches) and hardware deployment (printers, terminals), while providing post-sales support to optimize restaurant operations.
- Conducted comprehensive operations for restaurant employee training on iPadOS and Android Kitchen Display Screens (KDS), Self-ordering kiosks, Guest-Facing Displays (GFD), and application-level integrations instructions.

Google LLC

Hardware Engineering Intern

Taipei, TW

Jun. 2023 – Aug. 2023

- Developed an efficient script that integrates Python and C++ to facilitate the connection of RF signaling systems with SQL-based key generation processes, enhancing the retrieval of datasheet information.

Intel Corporation

RF Wireless Validation Engineer

Taipei, TW

Dec. 2020 – Dec. 2021

- Managed logistics and inventory operations, ensuring timely availability of critical equipment.
- Deployed automated CI/CD pipelines and enhanced cloud-based infrastructure for RF shielded testing stations, reducing regression time and automating system report generation.
- Developed BIOS/UEFI documentation, configured Intel WCS testing environments, and managed OS image downloads from Intel's global servers.

Student Learning Center

Computer Science Tutor

Wisconsin, USA

Jan. 2019 – May 2019

- Discussed with tutors in educational pedagogy and general teaching practices within weekly seminars.
- Tutored 50+ students on CS course programming projects in *Java* and discuss tutoring improvement with staff.
- Recorded YouTube video demonstrating *Makefile* instructions, helping students understand concepts in programming class.

EDUCATION

Boston University

Master of Science – Computer Science

2022 – 2024

University of Wisconsin–Madison

Bachelor of Science – Computer and Information Sciences

2018 – 2022

SKILLS

Programming Languages

Assembly, C / C++, Java, JavaScript, Typescript, MATLAB, Python, Scripting Languages, SQL, Kotlin

Tools

Agile, Firebase, Git, Jira, LaTeX, Maven, Makefile, MVC, Selenium, SQL Server, Unit Testing, Unix / Linux
HTML, CSS, XML, Vue.js, React.js, React Native, three.js, node.js, netlify, Bootstrap, PHP, AWS, GCP

Valid Driver's License Available

TECHNIAL PROJECTS & SOFTWARE TOOLS

OpenAI Chatbot, Generative AI Integration: Developed a real-time chat app, integrating GPT-4 model with serverless functions on AWS Amplify, Lambda, API Gateway, route 53.	Gen AI AWS
Electronic Health Record System, Server-Side Development: Developed healthcare system app for physicians, staff, and patients, performing CRUD operations for calendar and messaging.	MongoDB Express
Social Media Video Downloader, Advanced Programming Techniques: Designed to parallel download videos from video platforms such as YouTube, Instagram, and TikTok, based on given keywords and links.	Python Shell Script Multi-threading
FitnessTrack, Android Development: Allows users to record the food items they eat at each meal and assign a health rating to each meal.	Kotlin Java
WiscShop, Voice User Interface: Virtual assistant agent, allows user to request navigations, purchasing products by asking virtual assistant agent.	JavaScript Dialogflow
Fitness Tracker, Mobile User Interface: iOS/Android app, designed a fitness tracking mobile app in react native, expo, and RESTful APIs, storing health information on API server.	JavaScript React Native
Course Guide System, User Interface: React app, online course selection system, implemented rating and course recommendation system based on user interests.	JavaScript React
Jira Bug Auto-Reporter, Intel xVT Team: Web crawler, automatically report suspected bugs from daily regression and deliver to code develop teams.	Python Selenium
Regression Sum-Reporter, Intel xVT Team: Compile the validation analysis reports from each station into a final report on the mirror servers. Detect file dependencies and combine them by configuring CSV, XML, and file structures.	Python BeautifulSoup
BIOS UEFI Testing OS Image Doc., Intel WCS: Wrote a doc for Testing environment setup, downloading default testing OS Windows from Intel's servers around the earth.	Technical Documentation
Unix Shell - Wish, Operating Systems: Created a command line interpreter, having functions to read executables in built-in commands, read parallel commands by &, redirection > .	C
Wardrobe, Software Engineering: Web application helps user with outfit decision by uploading physical clothing pictures into firebase virtual wardrobe, created an AI background removal feature with remove.bg API by modified Google cloud functions.	JavaScript / React git backend API / GCP
Buffer Manager, Database Management Systems: Structured top of pages from I/O Layer by B+ tree structure, utilized indices stored data in file on disk, creating a disk image of the index file.	C++
Dynamic Memory Allocation, Machine Organization and Programming: Imported system calls sbrk, malloc, free, to dynamically manage heap memory using next-fit placement policy.	C System Call
3D Graphics Town, Computer Graphics: Interactive graphic website using THREE.js for creating 3D animations and applying Bezier curve to structure object's motion, manipulated camera views.	JavaScript WebGL
Maze Solver, Artificial Intelligence: Applied BFS algorithm to search target in 2D maze, added successors to the queue that implements the frontier set for searching method.	Java
Query Tuning, Database Management Systems: Query optimization improved performance more than 98% by implementing index, instance, pre-defined table, sub-query.	SQL SQL Server
Meal Plan Analysis, Data Structure: Meal database system with GUI, food choice analysis.	Java / JavaFX

HONORS & AWARDS

2023	Talk, 5G Registration Procedure, Google Pixel Mobile Wireless	Taipei, Taiwan
2023	Sigma Xi, Scientific Research Honor Society, member of	Boston, MA
2021	Talk, Intel WIFI xVT Regression	Taipei, Taiwan
2020	Top 10 voted proposal, UW CS. Against 150+ software engineering project proposals.	Madison, WI

LEADERSHIP & EXTRACURRICULAR ACTIVITY

BRIDGE International Peer Mentor Program	WI, USA
Peer Mentor	
• Built the environment for cross-cultural friendships and community participants of diverse backgrounds.	