

# Yi-Yang Lin

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## WORK & RESEARCH EXPERIENCE

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### Wistron Corporation

*Hsinchu, TW*

#### PCBA Process Engineer

*Nov. 2025 – Mar. 2025*

- 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

*Minnesota, USA*

#### IT Technician

*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

*New York, USA*

#### Technical Support Associate

*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

*Taipei, TW*

#### Hardware Engineering Intern

*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

*Taipei, TW*

#### RF Wireless Validation Engineer

*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

*Wisconsin, USA*

#### Computer Science Tutor

*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

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### Boston University

#### Master of Science – Computer Science

*2022 – 2024*

### University of Wisconsin–Madison

#### Bachelor of Science – Computer and Information Sciences

*2018 – 2022*

## SKILLS

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### 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

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<b>OpenAI Chatbot, Generative AI Integration:</b> Developed a real-time chat app, integrating GPT-4 model with serverless functions on AWS Amplify, Lambda, API Gateway, route 53.	Gen AI AWS
<b>Electronic Health Record System, Server-Side Development:</b> Developed healthcare system app for physicians, staff, and patients, performing CRUD operations for calendar and messaging.	MongoDB Express
<b>Social Media Video Downloader, Advanced Programming Techniques:</b> 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
<b>FitnessTrack, Android Development:</b> Allows users to record the food items they eat at each meal and assign a health rating to each meal.	Kotlin Java
<b>WiscShop, Voice User Interface:</b> Virtual assistant agent, allows user to request navigations, purchasing products by asking virtual assistant agent.	JavaScript Dialogflow
<b>Fitness Tracker, Mobile User Interface:</b> 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
<b>Course Guide System, User Interface:</b> React app, online course selection system, implemented rating and course recommendation system based on user interests.	JavaScript React
<b>Jira Bug Auto-Reporter, Intel xVT Team:</b> Web crawler, automatically report suspected bugs from daily regression and deliver to code develop teams.	Python Selenium
<b>Regression Sum-Reporter, Intel xVT Team:</b> 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
<b>BIOS UEFI Testing OS Image Doc., Intel WCS:</b> Wrote a doc for Testing environment setup, downloading default testing OS Windows from Intel's servers around the earth.	Technical Documentation
<b>Unix Shell - Wish, Operating Systems:</b> Created a command line interpreter, having functions to read executables in built-in commands, read parallel commands by &, redirection > .	C
<b>Wardrobe, Software Engineering:</b> 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
<b>Buffer Manager, Database Management Systems:</b> 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++
<b>Dynamic Memory Allocation, Machine Organization and Programming:</b> Imported system calls sbrk, malloc, free, to dynamically manage heap memory using next-fit placement policy.	C System Call
<b>3D Graphics Town, Computer Graphics:</b> Interactive graphic website using THREE.js for creating 3D animations and applying <i>Bezier</i> curve to structure object's motion, manipulated camera views.	JavaScript WebGL
<b>Maze Solver, Artificial Intelligence:</b> Applied BFS algorithm to search target in 2D maze, added successors to the queue that implements the frontier set for searching method.	Java
<b>Query Tuning, Database Management Systems:</b> Query optimization improved performance more than 98% by implementing index, instance, pre-defined table, sub-query.	SQL SQL Server
<b>Meal Plan Analysis, Data Structure:</b> Meal database system with GUI, food choice analysis.	Java / JavaFX

## HONORS & AWARDS

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

## LEADERSHIP & EXTRACURRICULAR ACTIVITY

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