

Yi-Yang Lin

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WORK & RESEARCH EXPERIENCE

Delaware North – Allianz Field/Target Field

MN, USA

IT Technician

Jun. 2025 – Jun. 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

NY, 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 B2B restaurant employee training on iPadOS and Android Kitchen Display Screens (KDS), Self-ordering kiosks, Guest-Facing Displays (GFD), and Application-level integrations (dine-in, takeout, call-in, online orders, menu customization, dish preferences, discounts, order notes, delivery management, payment processing, loyalty programs, and pricing management).

Google LLC

TPE, 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.

Wisconsin Union – Badger Market

WI, USA

Food & Beverage Server

Jan. 2022 – May. 2022

- Prepared and served coffee and toasted sandwiches to customers.
- Assisted in maintaining cleanliness and organization of the coffee shop.
- Processed customer transactions using IBM POS, handling cash and card payments accurately.

Intel Corporation

TPE, TW

RF Test Engineer

Jan. 2021 – Nov. 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

WI, 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

Boston University

2022 – 2024

Master of Science – Computer Science

University of Wisconsin-Madison

2018 – 2022

Bachelor of Science – Computer and Information Sciences

SKILLS

Programming Languages

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

Tools

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

Valid Driver's License & Personal Vehicle Available

TECHNICAL 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.	<i>Gen AI</i>
	<i>AWS</i>
Electronic Health Record System, Server-Side Development: Developed healthcare system app for physicians, staff, and patients, performing CRUD operations for calendar and messaging.	<i>MongoDB</i>
	<i>Express</i>
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.	<i>Python</i>
	<i>Shell Script</i>
	<i>Multi-threading</i>
FitnessTrack, Android Development: Allows users to record the food items they eat at each meal and assign a health rating to each meal.	<i>Kotlin</i>
	<i>Java</i>
WiscShop, Voice User Interface: Virtual assistant agent, allows user to request navigations, purchasing products by asking virtual assistant agent.	<i>JavaScript</i>
	<i>Dialogflow</i>
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.	<i>JavaScript</i>
	<i>React Native</i>
Course Guide System, User Interface: React app, online course selection system, implemented rating and course recommendation system based on user interests.	<i>JavaScript</i>
	<i>React</i>
Jira Bug Auto-Reporter, Intel xVT Team: Web crawler, automatically report suspected bugs from daily regression and deliver to code develop teams.	<i>Python</i>
	<i>Selenium</i>
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.	<i>Python</i>
	<i>BeautifulSoup</i>
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.	<i>Technical Documentation</i>
	<i>C</i>
Unix Shell - Wish, Operating Systems: Created a command line interpreter, having functions to read executables in built-in commands, read parallel commands by &, redirection > .	<i>JavaScript / React</i>
	<i>git</i>
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.	<i>backend API / GCP</i>
	<i>C++</i>
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.	<i>C</i>
	<i>System Call</i>
Dynamic Memory Allocation, Machine Organization and Programming: Imported system calls sbrk, malloc, free, to dynamically manage heap memory using next-fit placement policy.	<i>JavaScript</i>
	<i>WebGL</i>
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.	<i>Java</i>
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.	<i>SQL</i>
Query Tuning, Database Management Systems: Query optimization improved performance more than 98% by implementing index, instance, pre-defined table, sub-query.	<i>SQL Server</i>
Meal Plan Analysis, Data Structure: Meal database system with GUI, food choice analysis.	<i>Java / JavaFX</i>

HONORS & AWARDS

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

LEADERSHIP & EXTRACURRICULAR ACTIVITY

BRIDGE International Peer Mentor Program

Peer Mentor

- Built the environment for cross-cultural friendships and community participants of diverse backgrounds.

WI, USA