

# Yi-Yang Lin

☎ +1 (206)-355-2065 | ✉ yiyanglin0102@gmail.com | 🌐 Yiyang Lin | 🌐 yiyanglin.com

## WORK & RESEARCH EXPERIENCE

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### 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

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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, 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*

## TECHNIAL PROJECTS & SOFTWARE TOOLS

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

## HONORS & AWARDS

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

## LEADERSHIP & EXTRACURRICULAR ACTIVITY

<b>BRIDGE International Peer Mentor Program</b>	<i>WI, USA</i>
Peer Mentor	
<ul style="list-style-type: none"> <li>Built the environment for cross-cultural friendships and community participants of diverse backgrounds.</li> </ul>	