

WASE (CHEN-WEI) FAN

SKILLS

- **Programming Languages:** HFSS, ADS, Microwave Office, C++, Matlab
- **Testing equipment:** NSI 2000 Chamber, Network Analyzer, Spectrum Analyzer
- **ERP systems:** Microsoft Dynamics NAV, SAP
- **PLM systems:** Oracle Agile PLM
- **Tools:** Notion, Microsoft Excel, Jira, Confluence, Slack

WORK EXPERIENCE

Monarch Tractor

Livermore, California

Technical Program Manager

September 2023- Present

- Lead cross-functional team scrums involving R&D, testing, procurement, and operations to drive software-hardware integration efforts across the organization. Coordinate verification test plans to ensure all stakeholders were aligned, resulting in the release of a new version with 90% of issues resolved within 4 months.
- Prioritize and track tasks within the subsystem to achieve overall product requirements and stay in line with top-level program plan with C-suite to escalate risks and allocate resources for engineering team to implement 20+ new features to system including PCBAs, firmware and software into new product.
- Supervise electrical engineering team as acting manager to ensure PCBA design files deliver to suppliers and lock down specification for new product release within timeline.

AMPRO ADLINK Technology, Inc.

San Jose, California

Technical Program Manager

January 2020- April 2023

- Collaborated with suppliers and supply chain around the world to ensure timely delivery of components in ERP system to provide prototype samples to end customers. It **improved project winning rate by 80%**.
- Generated development milestones and schedule since NPI, provided program status, and led discussions with engineering teams, supply chains, and customers. Identified substitution parts such as CPUs, GPUs, Memory, and ASICs to keep PCBA release dates. As a result, we were able to **deliver on time (as opposed to delay by one year due to supply chain issue)**.
- Streamlined technical information across hardware, software, and mechanical teams during NPI stage, applying a strong understanding of hardware/software bring-up in distributed systems. Managed project dependencies and negotiated parallel activities to optimize project execution. Create Statements of Work and product specifications for **30+ projects using a PLM system**.
- Led bug scrub meetings with over 5 global engineering teams to identify and resolve issues, leveraging expertise in Agile and Waterfall development processes using Jira and other program management tools. Provided workaround solutions for customers and remove roadblocks for **multi-million-dollar backlog shipments**.

Advantech

Irvine, California

Application Engineer

December 2016 – January 2020

- Designed user scenario with marketing team for trade shows. Assisted sales team with technical questions and provided live demos to customers. Set up trade show application demos that attracted

potential customers and **increased the leads by 130%**.

- Collaborated with engineering teams and customers using Eight Disciplines Problem Solving method to help a customer reproduce several serious problems. Analyzed RMA units using Spectrum Analyzer to identify the root causes. Created a rework SOP for factory to implement necessary changes. We saved the project and won the customer over and eventually **won another 40-million-dollar project** with same customer. This case was hence **used as the role model** for our new business sector.
- Led technical discussions with customers in project development stage to collect required information for R&D team to implement. This prevented engineering resources being wasted on unachievable customer requests. **Shortened the development schedule from half year to three months** and eventually won the customer over.

ONYX Healthcare USA, INC

Orange, California

Project Engineer

February 2016 - October 2016

- Approached customers after trade show with proposals and quotations based on their specifications. Communicated with R&D team to deliver samples to win multi-million projects.
- Optimized customer's applications and workloads on hardware and worked with customers to troubleshoot issues by using Fishbone Diagram to identify root causes. Provided solutions within one month to keep project ongoing.

EDUCATION

Westcliff University

Irvine, CA

Master of Computer Science, Emphasis: Data Analytics

Present

University of Southern California

Los Angeles, CA

Master of Electrical Engineering, Emphasis: Electromagnetic Engineering

Jul 2015

Leadership

President

San Jose, California

Taiwanese American Junior Chamber of Commerce Northern California

May 2021-April 2023