

# FRANKLIN TABOGA(法蘭克)

HSINCHU CITY, TAIWAN, R.O.C.

[franklin.taboga@gmail.com](mailto:franklin.taboga@gmail.com)

0965474197

## QUALIFICATION SUMMARY

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With dynamic and Driven Process & Product Engineer experienced in Data processing, yield analysis on both Wafer Sort and Final Test, development of key processes and project management within semiconductor test and manufacturing. Keen practitioner of data-driven decision making and statistical analysis to drive cost savings and yield improvements.

Seeking an opportunity with an esteemed organization where I can utilize my skills and enhance learning and capable of mastering new technologies and software that contributes towards the growth of the organization.

## EDUCATION

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**Bachelor's degree, Electronics and Communication Engineering**

**University of the East**

Manila, Philippines

June 1997 – April 2002

## SOFT SKILLS

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Analytics, Creativity, Driven Learning, Process Improvement, Statistical Process Control, Yield Management, Research, Problem-solving, Presentation, Teamwork, Responsibility, and Time Management.

## HARD SKILLS

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Installation, enhancement, automation, and maintenance

Service repair knowledge on Power Tools for industrial, construction market and garden tools.

Operate Automated Test Equipment (ATE) that is use in semiconductor industry.

Excellent technical support & troubleshooting skills on both hardware and software.

## EXPERIENCE

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**Senior Product Engineer (OSAT Operation)**

Littelfuse Concord Semiconductor Inc

Hsinchu County, Taiwan

December 2021 – Present

Software: Minitab (JMP), Radar GUI, MS Office, Power BI

Hardware: Teradyne ETS-88 and ETS-364, Laboratory equipment's such as oscilloscope and curve tracer.

- ❖ Execute issues and troubleshoot, SPC monitor, yield improvement, process optimization, and specification alignment amount subcontractors from NPI stage until the product EOL.
- ❖ Performed statistical data analysis to identify the root cause of product yield issues in wafer-fab, wafer test, electrical test as well as product design.
- ❖ Identify containment actions together with quality engineers to ensure the product supply to customers and manage teams to analyze and fix the root causes of yield gaps.
- ❖ Defined in cooperation with quality engineer's physical product failure analysis to identify the hardware related root cause of product fails and evaluate improvement options.
- ❖ Represent as a team member in new process and product development to ensure that the new processes and products meet performance, quality, and yield requirements.
- ❖ Manage the product launch team in a wafer fab for new or transferred products.
- ❖ Evaluate the cost, quality, and yield risks of product change requests during the development and manufacturing phase of products.
- ❖ Identify together with other experts cost reduction and quality improvement.
- ❖ Conducting follow up on actions, PCN, deviations with relevant departments to gather necessary data.

## Senior Product Test Engineer

Siliconware Precision Industries Co., LTD.  
Hsinchu, Taiwan

February 2014 – December 2021

Software: Linux, Unix, Vidas, EMS, C language, Vidas (JMP), MS Office, Python(user)

Automated Test Equipment: Pinscale, V93K, Ultra-Flex and Credence Quartet.

Probers: TEL P12XL & Precio XL and TSK UF3000

Handlers: Seiko-Epson N8000 series, Summit Handler and Hontech Handler

- ❖ Handle production support from key offshore customers like AMD, CIRRUS and AVAGO-LSI with product tested on V93k, Pinscale, ultra-flex and Quartet.
- ❖ Support Test Program transfer verification/correlation and tester qualification prior release to mass production.
- ❖ Provide troubleshooting support, recurring problem detection, root cause analysis and resolution for manufacturing test issues on Wafer Test and Final Test process.
- ❖ Analyze production issues cause by Low-Yield and High continuity Rate for yield and process improvements.
- ❖ Participate in weekly conference call with customers to align production issues, project roadmaps and qualification/engineering activities.
- ❖ Work closely with Customer Service Engineering and production Planners for lot shipments during customer's quarter-end demands to ensure all target shipments are meet.
- ❖ Perform device failure analysis on low yielding lots to determine if Device, Hardware, or Test Program related issues and notify customer for disposition.
- ❖ Work to ensure people and resources are applied in an efficient and effective manner to meet delivery requirements while achieving quality and safety standards.
- ❖ Develop and improve manufacturing methods and processes based on lean manufacturing and continuous improvement principles.

## Service Technician

Stanley Works Asia Pacific Pte Ltd.  
Singapore, Singapore

February 2012 – February 2014

Software: MS Office

Hardware: power tools and industrial tools

- ❖ Follow all safety rules and regulations in performing work assignments.
- ❖ Perform diagnosis and repair like power tools (grinder, saw, electric drills, cordless drills) and garden tools (lawn mower, grass trimmer, blower)
- ❖ Perform reconditioning and repair of all machine systems and components.
- ❖ Maintain technical and product knowledge on all equipment sold within the dealership's area of responsibility.
- ❖ Prepare all reports and forms required in conjunction with work assignments.
- ❖ Support Regional Service center in Southeast Asia (Malaysia, Vietnam, Thailand, Philippines, and Cambodia.
- ❖ Complete sealed unit replacements in the field including replacement.
- ❖ Report problems which interfere with completion of work orders to supervisor
- ❖ Document all work performed and order replacement parts where necessary.
- ❖ Able to deal with unexpected issues in the field that may arise from time to time.
- ❖ In-depth knowledge on power tools for industrial & construction market.

## Associate Engineer II

United Test & Assembly Center LTD.  
Singapore, Singapore

February 2010 – December 2012

Software: Linux, Unix, C language, MS Office

Automated Test Equipment: Pinscale, V93K, Ultra-Flex, J750, IFlex.

Probers: TEL P12XL & Precio XL

Handlers: Seiko-Epson N7000/8000 series.

- ❖ Administrates various product testing and project developments with emphasis on quality and error-free outputs.

- ❖ Operate, set and maintains the production machinery according to instructions and schedules.
- ❖ Assists in the evaluation of new equipment and device and conduct pre-qualification test to ensure that such are functionally capable to service production and customer requirements based on set considerations.
- ❖ Ensure the required quality and outputs of the production machinery are achieved.
- ❖ Assists in training operators and other parties in the handling and operation of newly acquired equipment.
- ❖ Maintain area housekeeping, safety, and environmental regulations.

### **Assistant Engineer**

Siliconware Precision Industries Co., LTD.  
Hsinchu, Taiwan

November 2003 – January 2010

Software: Linux, Unix, C language, MS Office

Automated Test Equipment: HP9300, Teradyne Tiger, Credence Quartet & Octet

Probers: TEL P12XL & Precio XL

Handlers: Seiko-Epson N6000/N7000/8000 series

- ❖ Developed more sophisticated and productive product lines to ensure steady business and sales growth.
- ❖ Set up and operate production equipment in accordance with current good manufacturing practices and standard operating procedures.
- ❖ Inspect finished products for quality and adherence to customer specifications.
- ❖ Provided daily records of reports to identify the product and technical issues encountered during operations.
- ❖ Prepare production documents, such as standard operating procedures, manufacturing batch records, inventory reports, or productivity reports.
- ❖ Provide production, progress, or changeover reports to shift supervisors.
- ❖ Set up and verify the functionality of safety equipment.
- ❖ Start up and shut down processing equipment.
- ❖ Adhere to all applicable regulations, policies, and procedures for health, safety, and environmental compliance.
- ❖ Clean production equipment or work areas.

### **Computer Assistant**

Expressions Stationery Shop, Inc  
Makati City, Philippines

June 2003 – September 2003

Software: MS Office

- ❖ Provided effective troubleshooting support to computer software, hardware, and application systems problems by keeping a systematic way of technical problem solving.
- ❖ Enlisted detailed advice to other staff members in optimizing simple hardware and software features.
- ❖ Interacted with colleagues in performing basic administration, asset management and routine housekeeping services.
- ❖ Headed the set-up of hardware components as well as the installation and maintenance of essential company software.
- ❖ Enhanced the format of daily and engineering analysis reports; skillfully executed ad hoc duties usually assigned by the Supervisor.
- ❖ Contributed to the substantial increase in outlet sales by properly addressing client requests such as making projects or paperwork.