CURRICULUM VITAE

PERSONAL INFORMATION

Name:	NGUYỄN ĐỨC ANH (Kent Nguyen)
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CAREER OBJECTIVES
- Work in a professional environment dedicated to contributing to the company's success in the long term.
- To further my knowledge and skills, particularly in programming, to enhance my contribution to the company and pursue my passion for data analytics.
- To develop data analytic systems aimed at improving SMT processes.
- Become an expert in the fields of SMT, Data Analytics and Automation Test.

EDUCATION BACKGROUND
- I graduated from Electric Power University in 2016. Major in Electronic and Telecommunication.
- I Completed the training courses about SMT machine.
  - 2016: Mounter Fuji with Flexa Software (XPF, NXT2).
  - 2017: Mounter Panasonic with PT200 Software (CM212).
  - 2018: VBA – Macro of Canon.
  - 2019: AOI and SPI Holly.
  - 2020: Mounter Fuji with Nexim Software (NXT3).

WORK EXPERIENCE

❖ **Canon Vietnam Co., Ltd.**

July 2016 – January 2020: Worked in Engineering team in PCB department

Position: Process Engineer

- My Key Mission include:
  - Investigate Design of new Model, feedback design if have problem that is not suitable for Mounter Process. Make a Program for Mounter Fuji.
  - Control IFC index of SMT Process, get activities to improve defect rate, scraps PCB, loss component, inspection cost.
  - Analysis the machine export from data, get the idea to improve performance of SMT.
  - Leadership for Cross function Activities of three factory of Canon Vietnam (IFC index).

- Improve operation of Engineering by VBA – macro.

- Build the system control IFC of Pick-up error by VBA – Macro.

- In addition, I trained and coached my team on product specifications, machine setup, and operational standards to meet manufacturing quality standards. This also included preparing limited samples and submitting them for approval, ensuring product quality from the very beginning of the process.

- I have substantial experience in monitoring quality performance, where I controlled and improved defect rates, reduced scraps, managed material consumption, and optimized inspection costs. I worked cross-functionally with other departments to address quality issues and track improvement actions, ensuring a continuous feedback loop for process enhancement.

❖ **Fushan Technology Vietnam Co., Ltd.**

From December 2019 – December 2021: Working in SMT department

Position: SMT Engineer

- I am working in ME team with the role of a team leader. Our product is PCBs for Pixel mobile of Google customer. And my key mission include:

  - Control, modify, debug program for all machine: Fuji Mounter, Printer, SPI, AOI, Reflow Oven.

  - Control defects of SMT line, analysis, investigate issues and make FA report.

  - Make system control Standard of AOI Machine.

  - Make system to control Change Model Feeder (Use VBA - Macro).

  - Make system control Material of Change Over in Line (Use Macro-VBA).

- I am working in DFBA team, and my key mission include:

  - Lead the SMT Process in NPI Phase, prepare conditions for a new product. (Check design and feedback, design Carrier, stencil, check Profile ,…).

  - Audit Work Instruction, Machine Standard in line, feedback for related issue.

  - Control defects of SMT line, analysis, investigate issues and make FA report.

  - Utilized advanced data analysis techniques to improve machine performance.

❖ **Freelancer Job.**

- Investigate SQL programming language to improve performance of software.

- Build the system control COVID 19 Patient for DUC TIN polyclinic in HCM city (Use VBA and SQL).

❖ **Koh Young Technology Inc. Vietnam**

From January 2022: Working in VNSQA department

Position: SQA Engineer, Team Leader of Automation Test Group

  - Attend to Evaluate the quality of AOI, SPI, Review Station of Koh Young.

  - Build Test Plan, Co-operate with R&D to prevent Customer Software Issue.

  - Create/Modify manual test cases and related documents for Web and App.

  - Upload defects of Web, App to Jira system, handover to developers.

  - Perform daily smoke tests / regression tests.

  - Create Automation Script by C#/ Ranorex for Web (Ksmart Web) and App (AOI , SPI , RtoS).

- Apply Python – Selenium for Automation Project of Web (Ksmart Web).
- Maintenance Automation System (Jenkins System).

Automation Project:

- We Prepare Test Case and Build Test Sequence step by step.
- Our Product is very special (AOI – Automatical Optical Inspection), so it has some difficulties during implementing Automation Test.
- Based on the Test Sequence, we combine Ranorex and C# Language to Build a Test Suite to check one by one Function of Kohyoung AOI to ensure AOI Software Work Normally.
- We separate by Function for all members (Our team has 7 members) then final will merge code to have Full Test Suite.
- Finally, we Evaluate this TC in Real environment, Result: All Test Case is Pass, can detect many defects of AOI Software.

Programming Language Ability:

- Have Experience With C# basic, C# Winform , C# OOP , C# SQL to build an independent Desktop App.
- I have Knowledge about Python to build script to automate some Jobs to Improve performance
- Actively pursuing proficiency in Python for developing data analytics systems.
- → Long-term goals: Have Coding ability that is enough to build the Data Analytic system for Production Line
- → Can Apply IoT Solutions to Monitor Defect and Track Defects in Production line.

ACHIEVEMENT

- Reduce IFC of Pick-Up Error: From 2000$ (2016) to 1300$ (2019). (CANON).
- Reduce Time change over for Mounter fuji by Fix Feeder and Nozzle (Based on VBA-Macro): Reduce time from 30 Minutes => 9 Minutes (CANON).
- Reduce time check Feeder List by Macro – VBA: Reduce from 2 hours to 1 minute (CANON). Reduce Time change over for Mounter fuji by Control position of Feeder, control Material exchange (Based on VBA-Macro): Reduce time from 2 Hours => 20 Minutes (Fushan).

SKILLS & ABILITY

- Technical thinking ability, innovation thinking
- Leadership skill and teamwork skill
- Process Control experience, build Standard for process and Machine related production.
- Troubleshooting skills, quick problem-solving ability.
- Able to work independently and work under pressure, working with a team.
- Have deep knowledge about SMT
- Have advanced knowledge about VBA & SQL Programming.
- Have advanced knowledge about C# & Ranorex , Python Programming (Selenium).
- Always ready to work Overtime.
- Able to read and study English document, advanced knowledge about SMT Process
- Basic Communicate by English.