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SUMMARY OF QUALIFICATION
- Proactive self-learning ability to use SAS EG, VBA and SQL to query and analyze data for work efficiency improvement
- Strong interpersonal skill to communicate and build good teamwork with other department members and venders by transferring clear requests
- Good time management by setting priority and working flows to solve the urgent system error and notch alignment fail issue in time
- Ability to work under pressure to solve unexpected and inexperience problems by arranging schedule step by step

EDUCATION AND ACTIVITIES
- BA in **Physics** department, **National Tsing Hua University**, Hsinchu, Taiwan, ROC, 2014.
- Master in Electronics Engineering, **National Chiao Tung University**, Hsinchu, Taiwan, ROC, 2018.

Activities:
- Attending "Advance Processing Equipment", "Advance Processing for VLSI Technology" and "Nano Metrology Technology" VLSI Training courses hosted by National Nano Device Laboratories, NDL, Hsinchu, 2016.
- Participated in an international conference – Optics & Photonics Taiwan, International Conference (OPTIC 2018) to give an oral presentation, Tainan, 2018.
- Optical Critical Dimension Measurement Training by KLA-Tencor, Hsinchu, 2019

PERSONAL EXPERIENCE
Metrology Project Section - Taiwan Semiconductor Manufacturing Company, Hsinchu, Taiwan
Process Engineer, 2019/5-Present
- Use spectrum analysis and simulation to do troubleshooting and increase precision to angston scale for High-K metal gate process improvement
- Establish a chart review method such as correlation bias between different High-K processes with the same film stack and solve the process shift issue in two days.
- By using SQL and VBA to increase data query efficiency about daily chart review for team members from 3 hours to less than 1 hour.
- Fix urgent system bugs in one day by strongly collaborating with IT and related members such as Manufacturing to reduce the impact on production.
- Distinguish wafer lifetime by pointing out the notch alignment fail issue which is a long term potential risk for quality from N10 in one week.

National Chiao Tung University - Hsinchu, Taiwan
Teaching Assistant, 2017/9-2018/1
- Multi-department communication in order to change the classroom all of sudden because of excess students and achieve the goal in two days.
- Grading 60+ papers and assignments in time for professors to handle the class and learning situation of students.

ALTERNATIVE MILITARY SERVICE - Tri-Service General Hospital, Neihu, Taiwan
Assistant Case Officer in Otolaryngology and Operating Room, 2015/1-2015/12
- Strong interpersonal skills to maintain good relationships with different level of employees in hospital.
- Proactive to learn new medical terms such as nasal septum deviation (NSD) and operating process to simplify the working process and shorten the work from 3 hours to 1.5 hours by redesigning the route and procedure.
- Use analytical skills to help audiologist read research data about hearing impairment for soldiers in shooting range
- Crisis management by following standard protocol to help hospital work and patients while facing severe accidents such as the TransAsia plane crash and the water park explosion

Physics Department Summer Camp - National Tsing Hua University, Hsinchu, Taiwan
Chief Leader, 2011/8-2012/8
- Coordinated a 7-day, 100+attendees summer camp event with 1-year preparation including coordination of site works, team recruitment, enrollment and schedule arrangement
- Strong interpersonal skill to communicate with colleagues from different levels and providing the suitable solutions when facing conflict and challenges by communicating with related attendees
- Save 20% cost by strengthen human resource management within appropriate 1-week recruitment for 6 groups and effective budget management
- Establish a SOP to handle emergency issues such as self-judgment, cross-group communication and decision-making process during preparation time

COMPUTER SKILLS
SAS EG, Excel (VBA), SQL, Python, MATLAB, Origin, C, Word, PowerPoint
Certification:
6.00.2x: Introduction to Computational Thinking and Data Science
6.00.1x: Introduction to Computer Science and Programming Using Python

LANGUAGE SKILLS
Mandarin: fluent
English: fluent (TOEIC 895)
Taiwanese: fluent