

# ALVIN E. GARIN

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Dynamic engineer with 5+ years in manufacturing, specializing in data analysis and machine line support. Proficient in MS Excel, PowerPoint, Python, and SQL. Recognized for analytical prowess, organizational acumen, and attention to detail. Adept at driving operational efficiency and adapting to change. Proven track record of success in independent and collaborative settings, showcasing a highly trainable and detail-oriented approach.

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## EDUCATION

**Bachelor of Science in Electronics Engineering | Colegio de Dagupan (Universidad de Dagupan)**  
April 2016

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## EXPERIENCE

### **PROBE TEST PRODUCT ENGINEER | ALLEGRO MICROSYSTEMS PHILIPPINES INC**

May 2020 – June 2023 (3 years and 2 months)

- Performed data gathering and data analyses of manufacturing data that enabled focused solutions on issues affecting productions.
- Generated daily, weekly and monthly reports that are used to identify line performance issues and solutions.
- Generated and reviewed gage report for new hardware and system spares that enabled more resources for production processes.
- Reviewed and updated process workflows ensuring new standard are properly documented.
- Provided line sustaining support that helps met production targets.
- Checked program related and machine issues increasing machine compatibility.
- Performed repairs of Eagle test system and TEL Prober
- Troubleshooted product to machine compatibility issues increasing loading capacity.

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### **PROBE SUSTAINING TECHNICIAN | ALLEGRO MICROSYSTEMS PHILIPPINES INC**

Oct 2017 – May 2020 (2 years and 8 months)

- maintained machine in good running condition that helps production met the weekly target machine output and machine utilization
- Analysed and validated test data and rejects that ensured test result integrity.
- Coordinated with engineers to facilitate manufacturing decisions.

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### **APPRENTICE ENGINEER | AMKOR TECHNOLOGY PHILS. INC.**

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Feb 2017 – Jul 2017 (6 months)

- Trained in assemble manufacturing of semiconductor products.

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## SKILLS:

- Data Analysis
- Microsoft Excel / Word / PowerPoint
- Microsoft PowerBI
- C and Python Programming
- PostgreSQL
- Eagle Test System debugging
- Galaxy/mentor examiner
- Hardworking
- Detailed oriented
- Can work independently or as part of team
- Adaptable
- Highly trainable

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## CERTIFICATIONS:

### **Preparing Data for Analysis with Microsoft Excel | Microsoft through Coursera**

Dec. 2023

Certificate of successful completion of Preparing Data for Analysis with Microsoft Excel

Certificate link: <https://coursera.org/verify/3QATPQK7WUF3>

### **Technical Support Fundamentals | Google through Coursera**

Nov. 2023

Certificate of successful completion of Technical Support fundamentals.

Certificate link: <https://coursera.org/verify/R6YCFYJ658WP>

### **CS50P - Introduction to Python Programming Course | Harvard University**

Oct 2023

Certification on completion of CS50's Introduction to Programming with Python, including nine problem sets and one final project.

certificate link: <https://cs50.harvard.edu/certificates/5b3f6d3e-46d2-4ca4-a170-5859ffea6d38>

### **Python (Basic) Programming**

Mar 2023

Certification of clearing the assessment for the skill Python (Basic)

Certification link: <https://www.hackerrank.com/certificates/9985072cd1cf>

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## LICENSES:

### **Electronics Engineer | Philippine Professional Regulation Commission**

Dec 2017

License to practice as electronics engineer in the Philippines.