REJ AVERION

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OVERVIEW

Senior Test Engineer writing programs and designing hardware for 5 years at a Fortune 500 semiconductor company, seeking to start a career in **software development, software testing, or data analytics**, and use my engineering/manufacturing background to bring value to the company. I am actively upskilling, can learn quickly, and loves solving problems.

SKILLS

Transferrable skills and traits I have acquired as an engineer from the chip industry:

- Python, C++, VBA, Object-Oriented Programming
- Linux, Bash
- CSS, HTML, JavaScript, SQL
- Git, SVN
- JIRA
- Statistics and Data Analysis,
- Microcontrollers, Arduino, Raspberry Pi, Embedded Systems
- Effective use of MS Excel / Google Sheets
- Effective use of Google search, ChatGPT, other AI tools
- Efficient problem-solving
- Process optimization
- Versatility and receptiveness
- Productivity under minimal oversight
- Attention to detail
- Leadership & Collaboration
- Effective communication
- Business acumen

I am familiar / have exposure on the following "buzzwords" at a non-professional level:

- ReactJS, Java, MATLAB
- Data Science life cycle
- Machine learning, computer vision, OpenCV
- Agile methodologies, Scrum
- Unit testing, incremental testing

EXPERIENCE

Analog Devices, Inc.
Cavite, Philippines
Feb 2018 – Feb 2022

Senior Engineer, Test Development

- Developed object-oriented test programs in C++ and other proprietary languages for Automatic Test Equipment (ATE), reducing operation costs.
- Wrote Python scripts and tools to automate various development tasks.
- Analyzed bulk ATE data to improve quality and reduce operation costs.
- Collaborated with international cross-functional teams on high-visibility projects with aggressive cycle times.
- Travelled to offshore sites for various engineering/manufacturing purposes.
- Developed and facilitated trainings for other test engineers.
- Designed high-performance PCBs

RELEVANT PROJECTS

- Embedded face detection and intoxication detection program using machine learning that runs on Raspberry Pi, written in Python and C++.
- Python text editor that encrypts and decrypts files with AES for password storage purposes.
- Converted this text editor to a webpage with vanilla JS and hosted in on GitHub pages.
- Created an app that simulates entry and retrieval of customer data to help train students for CSR roles. The app is written in Python and interacts with a MySQL database.
- Test Info converter tool for migrating products from one ATE platform to another. The tool imports all data such as test limits, bin names, test numbers, test names, test flow, test options.
- Various VBA Macros for data processing.

EDUCATION

Bachelor of Science in Electronics Engineering
Emilio Aguinaldo College - Cavite, Philippines
2012 – 2017

- Latin Honors awardee, GPA = 3.7/4.0
- Best Final Year Project awardee – *Intoxication Detection based on Thermal Imaging and Machine Learning*
- Full scholarship awardee and Dean's Lister, 2012-2017

CERTIFICATIONS

- Licensed Electronics Engineer – 99th percentile scorer in nationwide Licensure Exam. 2017
- Mechatronics Servicing National Certificate II from Philippines Technical Education and Skills Development Authority. 2016