REJ AVERION

www.rejaverion.dev

+971524294501
averionrej@gmail.com
Dubai, UAE
linkedin.com/in/rejaverion
github.com/raverion

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.

SKILLS

As an engineer from the chip industry, I have gained transferrable skills that are relevant to the software engineering or data analytics field:

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

Outside of my professional career, I also have some degree of experience or familiarity with the following technologies:

- 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) that reduced cost of IC testing.
- Wrote Python scripts and tools to automate various development tasks.
- Analyzed and processed millions of ATE measurement data and to save millions of dollars in scrap cost and operational expenses.
- Collaborated with international cross-functional teams on high-visibility projects with aggressive cycle times. This meant travelling to offshore sites for various engineering/manufacturing purposes.
- Travelled to offshore sites for various engineering/manufacturing purposes.
- Developed and facilitated ATE trainings for other test engineers.
- Designed high-speed and high-power PCB hardware that meet oLDI, MIPI, EDP, HDMI, GMSL signal integrity and power integrity requirements.

RELEVANT PROJECTS

- Mock data management software for students training for call center jobs. The app GUI enables the student to enter and look up "customer" data, to and from a locally hosted MySQL database.
- Embedded face detection and intoxication detection program using machine learning that runs on Raspberry Pi, written in Python and C++.
- Python-based GUI text editor that encrypts and decrypts files with AES for password storage purposes.
- Test Info converter tool for migrating products from one ATE platform to another. The tool imports all test plan data including test limits, bin names, test numbers, test names, test flow, test options.
- Various VBA Macros for data management.
- Personal portfolio website (work-in-progress)

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   2016
  and Skills Development Authority.