



Internship - ML Certitude

Job description

The student, as part of the Chip Verification team with Singapore Infineon Asia Pacific Design Center and under the guidance of an assigned mentor, will undertake projects working on Infineon's flagship TriCore-based Automotive Micro-controllers. This position offers opportunities to be involved in several SoCs Testbench Qualification result analysis, to meet Functional and Safety requirements.

In your new role you will:

- **Develop or Enhance existing tools** used by the chip verification for efficient data extraction using automation/scripting
- **Create and monitor interactive data visualization** with existing platforms (**Tableau**) as dashboards that provide vital statistical information
- **Mining and analyzing crucial data** to identify relationships between faults and testcases
- Where available, **experiment with Artificial Intelligence** (such as machine learning) to accelerate convergence of test bench qualification

Internship learning outcomes:

- **Demonstrate knowledge gained** from coursework using commercial tools such as **Tableau**® for data visualization after gathering raw data and undertaking data structuring
- **Gain overview of leading edge product development** use of project management dashboard key performance indicators in automotive industry
- Obtain **hands-on experience** applying **engineering knowledge** towards enhancing team efficiency and effectiveness through digitalization and data visualization
- Familiar with the **SoC TestBench qualification flow** such as **Synopsys Certitude**®

Profile

You are best equipped for this task if you have:

- Bachelor / Masters' Degree in **Engineering / Electronics/Computer Technology / Data Science**
- Completed basic coursework on **Data Visualization** using tools such as the **open source Jupyter notebook**
- **Skills and interest in scripting and programming (Python and/or Perl)**
- Knowledge in **Artificial Intelligence / Data Mining / Machine Learning / UNIX** will be a plus

At a glance

Location: **(Singapore)**
Job ID: **337222**
Start date: **as soon as possible**
Entry level: **0-1 year**
Type: **Full time**
Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

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We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

